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Selected Data on Federal Support to Universities and Colleges

Fiscal Year 1993

Selected Data Tables

Division of Science Resources Studies
Directorate for Social, Behavioral and Economic Sciences

National Science Foundation

NSF 95-320

95-045067

Selected Data on Federal Support to Universities and Colleges

Fiscal Year 1993

Statistical Data Tables

Richard Bennof, Project Officer

Division of Science Resources Studies
Directorate for Social, Behavioral and Economic Sciences

National Science Foundation

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NSF 95-320

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Contributors

Data collection, preparation, and tabulations were performed by Quantum Research Corp. for the National Science Foundation. The Project Officer for this report was Richard J. Bennof.

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CONTENTS

Section *Page*

Overview xi
Introduction 1
  Survey coverage 1
  Acronyms and abbreviations 1
  Definitions 2
    Obligations 2
    Type of institution 2
      Universities and colleges 2
    Categories of support 2
      Academic science and engineering 2
      Research and development 2
      R&D plant 2
      Facilities and equipment 3
      Fellowships, traineeships, and training grants 3
      General support for science and engineering 3
      Other science and engineering activities 3
  Data limitations and relationship between surveys 3

Information sources 5
  Data tapes 5
  Institutional profiles 5
  CASPAR 5

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LIST OF TABLES

Table *Page*

1. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity: fiscal years 1963–93 ..... SD-1

2. Federal obligations for science and engineering research and development to universities and colleges, by geographic division and State: fiscal years 1986–93 ..... SD-2

3. Federal obligations for science and engineering research and development to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by agency: fiscal year 1993 ..... SD-4

4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993 ..... SD-7

5. Federal obligations for science and engineering to universities and colleges, by type of activity and agency: fiscal years 1963–93 ..... SD-30

6. Federal obligations for science and engineering to universities and colleges, by geographic division and State: fiscal years 1986–93 ..... SD-35

7. Federal obligations for science and engineering (S&E) to universities and colleges, by agency and type of activity: fiscal year 1993 ..... SD-37

8. Federal obligations for science and engineering (S&E) to universities and colleges, by geographic division, State, and agency: fiscal year 1993 ..... SD-39

9. Federal obligations for science and engineering (S&E) to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by type of activity: fiscal year 1993 ..... SD-41

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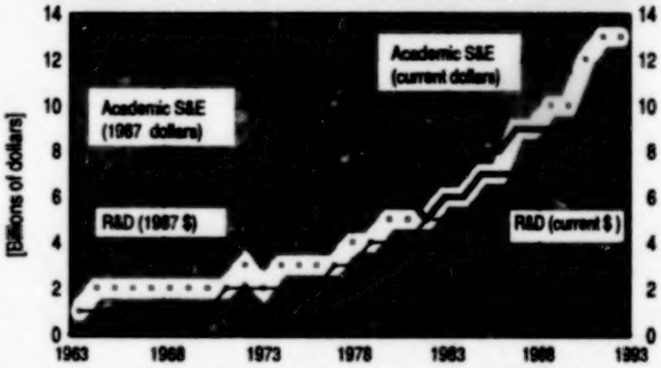
OVERVIEW

Federal obligations for academic science and engineering (S&E) activities totaled $12.7 billion in fiscal year (FY) 1993, representing a very slight decline (one-tenth of 1 percent) from FY 1992, or more than a 2-percent decrease after adjustment for inflation. A reflection of the budgetary constraints facing all Federal programs, the current-dollar decrease in academic S&E funding was the first in 21 years (chart A). Between FYs 1973 and 1992 academic S&E support rose at an average annual rate of 9 percent (3 percent when adjusted for inflation).

Chart A. Federal academic S&E and R&D obligations: Fiscal years 1963-93



SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1993

CATEGORIES OF SUPPORT

Academic S&E includes the following six funding categories: (1) research and development (R&D); (2) fellowships, traineeships, and training grants (FTTG); (3) R&D plant; (4) facilities and equipment for instruction; (5) general support for S&E; and (6) other S&E activities. The R&D portion, which represented $6 of every $7 of academic S&E, totaled $10.9 billion in FY 1993, representing an increase of 0.7 percent from the R&D obligated the previous year. When adjusted for inflation, the 1.6-percent decrease was the first for academic R&D programs in 12 years. About one-half ($5.6 billion) of all academic R&D funds were from the Department of Health and Human Services (HHS) in FY 1993 with the National Science Foundation (NSF) and the Department of Defense (DOD) responsible for three-fifths of the remainder ($1.61 billion and $1.59 billion, respectively).

Only two of the other five academic S&E categories (R&D plant and FTTG) showed increased levels of support, both increasing at rates higher than the 2.4-percent inflation rate. R&D plant funding rose by 27 percent in current dollars to a new high of $259 million. Nearly all of the gain came from increases in Department of Energy (DOE) programs, which accounted for nearly one-half of the Federal R&D plant total. NSF and the Department of Agriculture (USDA) provided most of the remainder of academic R&D plant support. FTTG obligations rose by 3 percent in current dollars, to $525 million. Most of the FTTG increase was from HHS, the source of nearly two-thirds of the FTTG total. Over five-sixths of HHS' FTTG obligations were from National Institutes of Health projects. Federal obligations for facilities and equipment for instruction totaled $32 million in FY 1993 (down by 16 percent); general S&E support dropped by nearly 59 percent in current dollars to $66 million, mostly as a result of sharp reductions from HHS and the Department of Education; and other S&E activities totaled $902 million, down by 7 percent.

AGENCY SOURCES

Of the six agencies responsible for the largest amounts of academic S&E obligations in FY 1993 (accounting for 95 percent of the Federal total), four (DOD, the National Aeronautics and Space Administration (NASA), NSF, and the DOE) reported current-dollar increases (table A). However, the only agencies that showed increases exceeding the rate of inflation were DOD and NASA (19 percent and 6 percent, respectively, in real terms). More than five-sixths of the DOD increase and two-fifths of the NASA increase were for R&D programs. In current dollars, academic S&E funding from HHS fell by 3 percent, and S&E funding declined by a fraction of 1 percent from USDA. Part of the decrease from HHS may have been related to reporting changes by the agency's Alcohol, Drug Abuse, and Mental Health Administration.

UNIVERSITY SHARES

Federal academic S&E obligations—not surprisingly—are highly concentrated among doctorate-granting institutions in general and major research universities in particular. Although less than one-third of all universities and colleges receiving Federal S&E funds granted doctorates in FY 1993, nearly all (97 percent) academic S&E support was obligated to these doctorate-granting institutions. The leading 100 academic S&E recipients in FY 1993 (out of 1,091 institutions, excluding 35 system offices) accounted for 81 percent of the total. The Johns Hopkins University (including its Applied Physics Laboratory, which received over three-fifths of the Johns Hopkins University's total) was the top recipient of Federal academic S&E support, nearly all of it from DOD and HHS. Eighteen of the top twenty academic S&E recipients in FY 1993 were also among the leading 20 in FY 1992. The new entrants were Duke University (now 19th) and the University of Texas at Austin (20th).

Table A. Federal academic science and engineering support by agency: FY 1992-93

Agency	FY 1992	FY 1993	Percent change	
	[Millions of dollars]		Current $	Constant $
Total	$12,739	$12,725	-0.1	-2.5
HHS	6,210	6,023	-3.0	-5.3
NSF	1,830	1,858	1.5	-0.9
DOD	1,510	1,834	21.5	18.6
USDA	942	941	-0.1	-2.5
NASA	680	737	8.4	5.9
DOE	705	716	1.5	-0.8
All other	862	615	-28.6	-30.3

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1993

In FY 1983, the leading 100 performers accounted for 84 percent of the total; in FY 1973 the proportion was 83 percent. When the survey series began in FY 1963, the top 100 universities received 87 percent (out of 813 institutions). Of the leading 100 academic S&E recipients in FY 1993, 92 were among the top 100 S&E performers in FY 1983. Again reflecting the stability in obligation shares, these 92 institutions accounted for 78 percent of the FY 1993 total and 81 percent of the FY 1983 total.

GEOGRAPHIC DISTRIBUTION

Over three-fifths of all Federal S&E support to universities and colleges in FY 1993 was concentrated among 11 States, each of which received $300 million or more in academic S&E support. These States were located predominantly along the Atlantic and Pacific coasts and within the East North Central (i.e. Great Lakes) Region. Outside of those regions, the only recipient of more than $300 million in academic S&E support was Texas. Academic institutions in California and New York received the largest amounts of Federal academic S&E obligations; together, they accounted for 21 percent of the total (table B).

Table B. Federal academic science and engineering support to states receiving at least $300 million: fiscal year 1993

State	S&E support	Share of total S&E
	[Millions of dollars]	[Percent]
Total S&E	$12,725	100.0
California	1,638	12.9
New York	1,063	8.4
Maryland	862	6.8
Massachusetts	854	6.7
Pennsylvania	787	6.2
Texas	696	5.5
Illinois	457	3.6
North Carolina	446	3.5
Michigan	427	3.4
Ohio	349	2.7
Washington	330	2.6
All other States	4,816	37.8

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1993

HISTORICALLY BLACK COLLEGES AND UNIVERSITIES (HBCUs)

S&E support for 76 HBCUs totaled $232 million in FY 1993, a decline of 5 percent in current dollars from FY 1992 levels. R&D programs accounted for 60 percent of the HBCU total in contrast to their 86-percent proportion among all universities. Howard University was the leading HBCU recipient in terms of both R&D support and total S&E support at $18 million and $25 million, respectively. Among all universities, however, Howard University ranked 122nd in the Nation in S&E support.

Federal sources of R&D funding are somewhat broader for HBCUs than for all universities in general. Five Federal agencies accounted for almost 90 percent of the R&D obligated to HBCUs, with no agency accounting for more than 25 percent of the R&D total. The funding shares of those five agencies ranged from 14 percent from NSF to 25 percent from USDA.

INDEPENDENT NONPROFIT INSTITUTIONS

In FY 1993, Federal obligations for S&E R&D and R&D plant to 1,030 independent nonprofit institutions (excluding obligations to Federally Funded Research and Development Centers administered by nonprofit organizations) totaled $3.2 billion, 1 percent below FY 1992 levels in current dollars. Over three-fifths of all nonprofit support was to research institutes, even though they accounted for less than one-fourth of all recipient nonprofit institutions (which also include voluntary hospitals and other independent organizations such as private foundations and trade associations). Of the 10 leading nonprofit institutions ranked by levels of obligations in FY 1993 (table C), six were research institutes, as were the top three: Universities Research Association for Superconducting Super Collider (URA SSC) Lab ($495 million), the Mitre Corp. ($246 million), and Sematech, Inc. ($93 million).

The URA SSC Lab—which began to be phased out in FY 1994—received all of its support from DOE. DOD was the source of all support for Sematech, Inc., and nearly all of the Mitre Corp.'s funding. Of the Federal total, DOD provided about one-fourth of all obligations to nonprofit institutions, with nearly $7 of each $8 from DOD going to research institutes. HHS supplied over one-third of all Federal nonprofit support and nearly all Federal support to voluntary hospitals. The three largest voluntary hospital recipients were among the top 10 nonprofit organizations: the Massachusetts General Hospital ($89 million), the Brigham and Women's Hospital ($86 million), and the Scripps Clinic & Research Foundation ($73 million).

Table C. Federal R&D and R&D plant obligations to the leading 10 independent nonprofit institutions ranked by total amount received in fiscal year 1993

[Millions of dollars]

Institution and ranking	FY 1993	FY 1992
Total, all nonprofit institutions	$3,178	$3,208
1. U Rsch Assc Super Conduc	495	468
2. Mitre Corp	246	248
3. Sematech Inc	93	98
4. MA General Hospital	89	91
5. Brigham and Womens Hosp	86	82
6. Battelle Memorial Inst	79	63
7. Natl Academy of Sciences	76	77
8. Scripps Clinic & Rsch Fdn	73	69
9. SRI International	64	63
10. Draper Laboratories	64	41

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1993

INTRODUCTION

The data presented in this summary are derived from the Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions: Fiscal Year 1993 (hereinafter referred to as the Federal Support Survey) and are being released in advance of the publication that contains more comprehensive detailed statistical tables. Among the available data excluded from this summary are academic totals by type of institutional control, by highest degree granted, and by field of science and engineering (S&E) discipline; data on historically black colleges and universities; data on nonprofit institutions; and data on university and nonprofit-administered federally funded research and development centers.

SURVEY COVERAGE

The 15 Federal agencies surveyed in this report provided virtually all of the Federal funding for S&E research and development (R&D) at universities and colleges. The data presented in these tables are for all categories of direct Federal S&E obligations to institutions of higher education in the United States. Therefore, amounts that are subcontracted to other institutions are included, but funds that are received by academic institutions through subcontract arrangements from prime contractors are excluded.

ACRONYMS AND ABBREVIATIONS

The fiscal year (FY) 1993 data shown in this report were submitted by the following Federal agencies, listed by the acronyms and abbreviated references under which data are reported for them:

- AID - Agency for International Development
- Com - Department of Commerce
- DoD - Department of Defense
- DOT - Department of Transportation
- Ed - Department of Education
- EPA - Environmental Protection Agency
- DOE - Department of Energy
- HHS - Department of Health and Human Services
    - ACF - Administration for Children and Families
    - AHCPR - Agency for Health Care Policy and Research
    - AoA - Administration on Aging
    - ATSDR - Agency for Toxic Substances and Disease Registry
    - CDC - Centers for Disease Control and Prevention
    - FDA - Food and Drug Administration
    - HCFA - Health Care Financing Administration
    - HRSA - Health Resources and Services Administration
    - IHS - Indian Health Service
    - NIH - National Institutes of Health
    - OASH - Office of the Assistant Secretary for Health
    - SAMHSA - Substance Abuse and Mental Health Services Administration
    - SSA - Social Security Administration
- HUD - Department of Housing and Urban Development
- Int - Department of the Interior
- Labor - Department of Labor
- NASA - National Aeronautics and Space Administration
- NRC - Nuclear Regulatory Commission
- NSF - National Science Foundation
- USDA - Department of Agriculture

The following abbreviated references are used throughout the report:

- FFRDCs - federally funded research and development centers (not published in this report)
- FTTGs - fellowships, traineeships, and training grants
- FY - fiscal year
- NA - not available
- n.e.c. - not elsewhere classified
- R&D - research and development
- S&E - science and engineering
- SRS - Division of Science Resources Studies, NSF, in which this report is produced

DEFINITIONS

Obligations are the amounts for orders placed, contracts awarded, services received, and similar transactions during a given period, regardless of when the funds were appropriated and when future payment of money is required. Obligations differ from expenditures in that funds allocated by Federal agencies during one fiscal year may be expended by the recipient institution either partially or entirely during one or more subsequent years.

Type of Institution

Universities and colleges are those institutions of higher education in the United States that offer at least 1 year of college-level study leading toward a degree. A university or college comprises all parts of an academic institution, such as colleges of liberal arts, professional schools, hospitals, schools of agriculture, and agricultural experiment stations, including bureaus, offices, and research centers (excluding FFRDCs), whether located on or off the main campus, and branch campuses controlled directly by the parent institution. The universe of academic institutions that is the foundation of this survey is derived from the higher education institutions' portion of the Department of Education's Integrated Postsecondary Education Data System (IPEDS), sponsored by the National Center for Education Statistics, and the *1994 Higher Education Directory*, published by Higher Education Publications, Inc. Institutions included are those that received Federal support during FY 1993 and possessed a significant degree of academic and administrative autonomy. Institutions within a system (group of institutions having a collective legal status and generally recognized by a State government, a board of education, or other relevant organization) in which a significant degree of autonomy remains at the individual institution level are presented separately; obligations to branch campuses are included in the totals for their parent institutions. The study excludes all obligations to the service academies and to the USDA Graduate School.

Categories of Support

Academic science and engineering includes all obligations for the following activities: R&D; R&D plant; facilities and equipment for S&E instruction; fellowships, traineeships, and training grants; general support for science and engineering; and other S&E activities. These activities are defined as follows:

Research and development includes all research activities, both basic and applied, and all development activities that are supported at universities and colleges. Demonstration projects conducted to discover whether a technology or method is workable are considered to be within the scope of R&D if their objective is to produce new information within a specific time period.

"Research" is defined as systematic study directed toward fuller scientific knowledge or understanding of the subject studied. Research can be classified as basic or applied, although data reported here are not separated into these categories. In basic research the investigation is oriented toward gaining a better knowledge or understanding of the fundamental aspects of phenomena and of observable facts without specific applications toward processes or products in mind. In applied research the investigation is aimed at gaining the knowledge or understanding necessary for determining the means by which a recognized and specific need may be met.

"Development" is the systematic use of knowledge and understanding gained from research directed toward the production of useful materials, devices, systems, or methods, including design and development of prototypes and processes. Research and development excludes topographic mapping and surveys, collection of general-purpose statistics, and activities concerned primarily with the dissemination of scientific information. Also excluded are routine product testing, quality control, and R&D facilities and fixed equipment.

"Research equipment" is included as part of R&D. It includes any item (or interrelated collection of items constituting a system) of nonexpendable tangible property or software having a useful life of more than 2 years and an acquisition cost of $500 or more that is used wholly or in part for research.

R&D plant includes all costs—direct, indirect, and related—of all projects whose main objective is to provide support for the construction, acquisition, renovation, modification, repair, or rental of facilities, land, works, or equipment for use in scientific or engineering R&D. A facility is interpreted broadly to be any physical resource important to the conduct of R&D. Excluded are expendable research equipment and office furniture and equipment.

Facilities and equipment for S&E instruction include all programs in which the main purpose is to provide support for the construction, acquisition, renovation, modification, repair, or rental of facilities, land, works, or equipment for use in instruction in science and engineering.

Fellowships, traineeships, and training grants include graduate programs in support of the development and maintenance of S&E personnel resources. The total amounts pertaining to such awards (stipends and cost-of-education allowances) are reported on the basis of the institution chosen by the recipient. Excluded are programs that support research and education institutes, seminars, and conferences such as teacher-training activities provided through teacher institutes, short courses, research participation, and in-service seminars; activities aimed at the development of education techniques and materials for use in S&E training; and programs that provide special opportunities for increasing the scientific knowledge and experience of precollege and undergraduate students. These activities are included in "Other S&E" if they are S&E oriented.

General support for science and engineering includes programs that support nonspecific or generalized purposes related to scientific research and education. Such projects are generally oriented toward academic departments, institutes, or institutions as a whole and embody varying types of support—ranging from that provided without any specification of purpose other than that the funds be used for scientific projects to that provided for activities within a specified field of science and engineering without a specific purpose. NIH's Biomedical Research Support Grants and Minority Biomedical Support Grants are examples of these types of programs.

Other science and engineering activities include all academic S&E activities that cannot meaningfully be assigned to one of the preceding five categories. Types of activities included are obligations in support of technical conferences, teacher institutes, and activities aimed at increasing the scientific knowledge of precollege and undergraduate students.

DATA LIMITATIONS AND RELATIONSHIP BETWEEN SURVEYS

Data presented in this report on R&D and R&D plant by agency sometimes conflict significantly with such data presented in the annual NSF Survey of Federal Funds for Research and Development (referred to hereinafter as the Federal Funds Survey). The treatment of interagency transfers explains much of the difference in the totals. Interagency transfers of funds obligated to an academic or nonprofit institution are reported in the Federal Support Survey by the agency that actually obligates the funds to the receiving institution. In the Federal Funds Survey, however, obligations are reported by the initiating agency. Each of several agencies utilizes personnel from separate internal offices to respond to the two individual surveys, and each frequently collects data from different sources. Data for the Federal Support Survey, for example, are generally processed from award files, whereas Federal Funds Survey data are usually derived from agency budget documents.

Respondents from the separate internal offices that participate in the two surveys also frequently differ in their interpretation of the survey questions. The National Institutes of Health, for example, reports its Biomedical Research Support Grants under "General support for science & engineering" in the Federal Support Survey but under "Research and development" in the Federal Funds Survey.

Regarding the structure of the surveys themselves, the data presented in this report differ in several ways from those presented in the report on the Federal Funds Survey:

1. The two surveys differ in number of agencies involved. In the Federal Support Survey, the 15 Federal agencies that obligate virtually all of Federal support to academic R&D collect data on all Federal S&E obligations to institutions of higher education. For the Federal Funds Survey, data are gathered on budgets for R&D and R&D plant from all 32 Federal agencies that conduct such programs.

2. The scope of information gathered differs between the two surveys: Data collected in the Federal Support Survey pertain to individual academic institutions, whereas

those collected in the Federal Funds Survey relate to all types of performers and to character of work (basic research, applied research, and development).

For further information concerning the availability of Federal Support Survey data and the technical aspects of this survey, please contact Richard J. Bennof, Project Officer, Research and Development Statistics Program, at the following address:

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Public-use tapes from the Integrated Academic Science and Engineering Data Base are available for purchase and will normally be shipped within 3 working days from receipt of order. Data tapes from the most recent surveys (1993) are currently available. Individuals interested in obtaining data tapes from the National Science Foundation (NSF) Surveys of Academic Science and Engineering should request a copy of the *Guide to the Data Files from the National Science Foundation's Annual Surveys of Academic Science and Engineering,* which contains order forms and detailed information about the tapes. This document may be obtained by calling the Division of Science Resources Studies (SRS) Science and Engineering Activities Program at (703) 306-1772.

INSTITUTIONAL PROFILES

Selected data items for individual doctorate-granting institutions and schools with science and engineering departments that grant a master's degree are available on computer-generated institutional profiles. An institutional profile consists of data not only from the Federal Support Survey, but also from NSF's other two academic S&E surveys: the Survey of Scientific and Engineering Expenditures at Universities and Colleges (R&D expenditures survey) and the Survey of Graduate Students and Postdoctorates in Science and Engineering (graduate student survey). For information on obtaining one or a limited group of institutional profiles, please call Richard J. Bennof at (703) 306-1772.

CASPAR

Institutional planners are now able to acquire data from several academic S&E resources on CD-ROM. The compact disk contains the Computer-Aided Science Policy Analysis and Research (CASPAR) database system, which is an easy-to-use tool for retrieval and analysis of statistical data on academic S&E resources. CASPAR provides the analyst with an extensive and growing data library with multiyear statistics on the state of higher education in general and on academic S&E resources specifically. This data library is developed from multiple sources by using standardized institutional names and fields of S&E definitions. The CASPAR program includes built-in help capabilities to facilitate the use and interpretation of the data.

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Table 1. Federal obligations for science and engineering (S&E) to universities and colleges, by type of activity: fiscal years 1963-93

[Dollars in thousands]

Page 1 of 1

Fiscal year	Total, academic S&E	Research and development	R&D plant	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
1963	1,328,511	829,524	105,896	(1)	(1)	(1)	393,091
1964	1,528,604	975,597	100,837	(1)	(1)	(1)	452,170
1965	1,816,171	1,094,963	126,196	(1)	(1)	(1)	595,012
1966	2,163,504	1,252,146	114,767	(1)	365,560	(1)	431,031
1967	2,323,795	1,301,242	111,309	(1)	447,236	(1)	464,008
1968	2,349,817	1,398,305	96,148	(1)	440,895	(1)	414,469
1969	2,361,399	1,474,681	54,516	(1)	436,270	(1)	395,932
1970	2,187,579	1,446,618	44,778	(1)	429,408	(1)	266,775
1971	2,343,129	1,551,391	29,942	28,729	421,029	99,669	212,369
1972	2,599,111	1,853,085	36,917	26,341	387,888	83,288	211,592
1973	2,464,362	1,870,690	43,338	13,372	287,210	38,964	210,788
1974	2,736,984	2,085,204	29,009	3,506	326,600	86,974	205,691
1975	2,805,877	2,246,182	44,787	5,026	201,273	46,353	262,256
1976	2,959,656	2,430,970	23,899	3,210	174,871	74,483	252,223
1977	3,351,337	2,803,017	36,471	3,282	184,671	75,928	247,968
1978	3,962,500	3,388,438	34,328	4,906	205,925	74,398	254,505
1979	4,473,529	3,874,384	32,068	6,743	204,866	92,483	262,985
1980	4,790,972	4,160,543	37,780	3,776	210,121	91,541	287,211
1981	5,062,856	4,410,931	27,694	4,563	205,448	92,721	321,499
1982	5,179,610	4,554,475	31,200	829	176,582	80,137	336,387
1983	5,680,631	5,024,330	37,547	2,522	189,616	94,847	331,769
1984	6,308,014	5,448,821	49,764	1,889	194,895	112,588	500,057
1985	7,257,862	6,246,181	113,932	4,947	253,082	119,171	520,549
1986	7,430,872	6,456,743	105,827	4,990	246,196	111,130	505,986
1987	8,567,284	7,241,001	229,875	13,722	290,942	236,933	554,811
1988	9,136,202	7,719,162	202,907	13,345	309,348	171,826	719,614
1989	10,074,620	8,522,555	237,010	16,911	340,458	197,745	759,941
1990	10,443,105	9,005,771	124,841	19,241	393,820	143,917	755,515
1991	11,831,388	10,027,270	151,808	32,792	469,297	192,823	957,398
1992	12,739,476	10,859,207	204,722	38,504	509,774	159,244	968,025
1993	12,724,675	10,940,124	259,421	32,228	524,786	66,087	902,029

[1] Not separately identified but included under "Other S&E activities."

NOTE: Some trend shifts are related to institutional reclassification. As of 1978 two laboratories that were formerly considered academically administered federally funded research and development centers became part of their respective institutions: Applied Physics Laboratory (Johns Hopkins University) and Applied Research Laboratory (Pennsylvania State University. Data for these laboratories are thus included in the academic figures for 1978-93 but are excluded for prior years. Similarly, Draper Laboratories separated from the Massachusetts Institute of Technology as of fiscal year 1974 to become an independent nonprofit institution; academic data shown for 1963-73 include Draper Laboratories, whereas those for 1974-93 do not.

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1993

6

Table 2. Federal obligations for science and engineering research and development to universities and colleges, by geographic division and State: fiscal years 1986-93

[Dollars in thousands]

Page 1 of 2

Geographic division and State	1986	1987	1988	1989	1990	1991	1992	1993
United States, total	6,456,743	7,241,001	7,719,162	8,522,555	9,005,771	10,027,270	10,859,207	10,940,124
New England, total	757,600	819,318	840,017	941,872	971,467	1,055,261	1,133,513	1,164,002
Connecticut	146,545	174,433	175,972	188,744	189,462	198,672	220,981	216,542
Maine	6,449	8,518	6,618	9,090	10,152	9,740	10,363	13,572
Massachusetts	508,166	536,955	545,068	629,070	635,952	698,233	750,045	782,288
New Hampshire	30,564	34,573	36,766	37,007	52,386	55,501	62,852	62,959
Rhode Island	43,646	40,731	47,349	49,525	51,828	55,243	56,281	52,785
Vermont	22,230	24,108	28,244	28,436	31,687	37,872	32,991	35,856
Middle Atlantic, total	1,131,083	1,268,422	1,352,552	1,449,106	1,527,674	1,718,740	1,811,457	1,836,838
New Jersey	86,000	97,785	104,853	120,932	139,264	150,569	162,478	187,236
New York	671,899	752,897	795,186	843,497	851,970	917,093	977,850	941,509
Pennsylvania	373,184	417,740	452,513	484,677	536,440	651,078	671,129	708,093
East North Central, total	873,105	980,913	1,017,478	1,138,247	1,195,813	1,342,300	1,453,857	1,486,387
Illinois	262,640	297,266	301,297	324,405	335,877	362,336	376,199	402,096
Indiana	100,144	111,184	111,779	131,315	137,754	155,882	178,443	172,670
Michigan	183,814	213,474	233,121	259,265	274,026	313,736	358,620	368,972
Ohio	179,050	199,011	210,593	238,131	250,885	291,113	305,189	307,347
Wisconsin	147,457	159,978	160,688	185,131	197,271	219,233	235,406	235,302
West North Central, total	360,139	410,069	428,857	472,065	519,933	598,788	642,100	635,670
Iowa	74,279	81,722	89,074	103,214	106,735	124,814	128,927	132,338
Kansas	33,239	35,863	37,228	39,105	44,005	50,895	59,542	62,468
Minnesota	102,293	121,588	123,621	133,439	141,711	172,991	179,822	171,428
Missouri	111,289	129,483	137,276	150,269	169,883	181,893	204,247	197,385
Nebraska	24,524	28,464	25,763	27,482	29,379	42,824	40,864	41,077
North Dakota	9,479	8,109	11,044	11,715	22,429	18,686	21,393	20,995
South Dakota	5,036	4,840	4,851	6,861	5,791	6,705	7,305	9,979
South Atlantic, total	1,067,279	1,218,784	1,387,350	1,480,512	1,578,357	1,756,029	1,913,703	1,942,988
Delaware	12,863	12,067	15,261	16,333	17,922	19,688	26,712	24,421
District of Columbia	49,955	61,057	72,668	71,761	78,658	91,879	87,079	109,857
Florida	121,231	148,757	185,626	196,397	180,487	217,377	242,438	230,017
Georgia	128,772	145,144	168,371	183,983	176,210	193,805	217,915	207,633
Maryland	415,943	460,057	522,341	514,747	588,465	622,221	670,737	687,277
North Carolina	194,999	228,096	246,688	287,838	305,690	340,513	384,413	385,188
South Carolina	32,726	33,516	35,595	38,927	42,668	54,996	60,296	56,957
Virginia	101,082	118,161	126,596	155,454	166,017	181,839	195,471	200,585
West Virginia	9,708	11,929	14,204	15,092	22,240	33,711	28,642	41,063
East South Central, total	219,146	270,537	290,579	312,589	337,519	393,861	424,616	423,725
Alabama	79,921	100,553	106,502	123,373	129,563	155,818	165,504	160,742
Kentucky	27,974	30,721	31,965	37,620	38,098	46,190	56,160	58,818
Mississippi	22,979	31,825	37,891	36,227	36,134	42,970	43,614	51,309
Tennessee	88,272	107,438	114,221	115,369	133,724	148,883	159,338	152,856
West South Central, total	434,494	485,424	517,088	590,849	593,853	677,292	780,022	780,203
Arkansas	14,527	15,487	15,599	19,643	23,537	25,785	29,492	32,467
Louisiana	47,715	59,619	61,456	100,418	68,774	101,680	105,391	96,200
Oklahoma	29,468	32,215	25,495	30,968	35,607	33,148	53,102	45,077
Texas	342,784	378,103	414,538	439,820	465,935	516,679	592,037	608,459

See explanatory information, if any, and SOURCE at end of table.

1

Table 2. Federal obligations for science and engineering research and development to universities and colleges, by geographic division and State: fiscal years 1986-93

[Dollars in thousands]

Page 2 of 2

Geographic division and State	1986	1987	1988	1989	1990	1991	1992	1993
Mountain, total	366,578	392,342	412,334	480,246	533,676	590,747	643,843	671,285
Arizona	65,808	80,345	83,490	103,319	115,683	126,362	137,154	144,422
Colorado	108,473	129,826	145,900	147,301	168,905	185,613	213,474	208,487
Idaho	5,296	6,998	8,647	10,424	10,381	13,694	14,904	16,545
Montana	8,015	8,766	8,554	10,414	13,041	16,216	18,824	24,358
Nevada	10,895	14,955	13,856	16,188	23,022	21,909	25,062	24,865
New Mexico	79,466	55,058	56,163	74,134	70,006	86,483	88,916	112,115
Utah	81,627	86,950	86,648	108,117	122,907	129,584	132,803	123,154
Wyoming	6,998	9,444	9,076	10,349	9,731	10,886	12,706	17,339
Pacific, total	1,234,207	1,379,461	1,457,359	1,637,196	1,725,685	1,868,719	2,026,715	1,969,861
Alaska	14,645	15,373	15,928	15,111	25,060	25,441	27,805	34,217
California	953,989	1,057,440	1,109,851	1,258,906	1,316,685	1,398,653	1,547,289	1,466,549
Hawaii	29,196	39,410	39,651	47,913	48,231	47,291	49,740	53,488
Oregon	71,764	84,038	91,133	90,801	95,927	124,579	123,692	130,083
Washington	164,613	183,200	200,796	224,465	239,782	272,755	278,189	285,524
Outlying Areas, total	13,112	15,731	15,548	19,873	21,794	25,533	29,381	29,165
Guam	1,165	1,107	1,096	1,193	1,320	1,325	1,656	1,438
Puerto Rico	10,288	12,678	12,354	16,561	18,000	21,650	25,099	24,864
American Samoa	290	340	365	290	592	657	680	679
Virgin Islands	916	1,026	1,091	1,052	1,053	1,048	1,167	1,210
Trust Territory Pacific Islands	473	580	642	777	829	853	779	974

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1993

8

Table 3. Federal obligations for science and engineering research and development to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by agency: fiscal year 1993

[Dollars in thousands]

Page 1 of 3

Institution and ranking	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
Total, all institutions	10,940,124	462,464	58,434	1,129,998	456,866	94,811	582,110	142,606	5,610,296	631,139	1,605,937	165,463
1 Johns Hopkins University	543,873	170	230	17,033	274,750	1,906	5,442	377	223,725	9,802	10,438	0
2 MA Inst of Technology	251,845	597	1,535	58,148	50	180	56,291	1,926	51,403	38,437	40,864	2,414
3 Stanford University	249,575	90	50	35,467	732	0	7,340	5,003	119,882	54,441	24,661	1,909
4 University of Washington	246,013	5,433	2,211	20,886	4,500	657	13,070	855	152,495	8,798	35,080	2,028
5 University of Michigan	214,612	580	643	18,492	1,726	235	8,114	4,474	137,236	10,763	29,027	3,322
6 U CA San Diego	204,063	1,150	75	23,438	664	0	10,330	0	115,063	16,244	35,926	1,173
7 U CA Los Angeles	195,788	363	0	11,852	1,403	2,931	21,665	360	129,321	8,974	18,438	481
8 Columbia U City New York	194,910	10	1,377	9,272	0	0	15,589	10,091	120,682	6,446	30,549	894
9 U WI Madison	190,469	10,875	106	10,257	604	3,129	18,528	1,172	95,652	10,838	38,678	630
10 University of PA	186,002	697	46	19,819	2,102	2,976	6,620	75	136,570	343	16,747	7
Total 1st 10 institutions	2,477,150	19,965	6,273	224,664	286,531	12,014	162,989	24,333	1,282,029	165,086	280,408	12,858
11 U CA San Francisco	175,388	0	0	871	1,837	135	3,181	50	165,993	1,039	2,282	0
12 Cornell University	174,226	13,009	108	17,201	455	0	4,727	245	77,280	7,300	53,066	835
13 Pennsylvania State U	173,070	11,595	58	46,994	30,045	1,364	5,866	1,300	36,663	12,939	18,215	8,031
14 Harvard University	169,173	127	0	10,000	0	0	5,252	2,509	125,405	6,200	19,438	242
15 Yale University	169,151	509	0	7,705	0	0	10,203	0	138,730	1,235	10,769	0
16 University of Minnesota	168,675	9,701	80	15,378	200	3,914	6,158	2,170	101,014	3,022	25,433	1,605
17 University of Colorado	145,497	295	9,199	7,343	426	255	4,340	1,224	81,213	15,823	24,949	430
18 Duke University	138,839	745	0	6,131	630	0	5,015	1,967	110,720	552	12,689	390
19 University of Pittsburgh	136,780	75	0	5,103	1,578	2,841	1,500	225	115,470	990	8,998	0
20 U CA Berkeley	133,232	11,324	68	5,625	177	1,229	3,068	313	53,076	22,348	34,683	1,321
Total 1st 20 institutions	4,061,181	67,345	15,786	347,015	321,879	21,752	212,299	34,336	2,287,593	236,534	490,930	25,712
21 Washington University	133,210	112	0	3,125	0	0	2,022	50	117,410	3,862	6,541	88
22 U NC Chapel Hill	129,071	796	41	3,598	0	1,289	1,381	5,146	107,472	269	8,751	328
23 U Southern California	125,297	0	281	25,035	6,356	1,490	1,767	100	73,294	3,369	12,207	1,398
24 U TX Austin	117,225	403	198	31,545	26,131	184	14,548	772	16,622	7,765	18,553	504
25 U IL Urbana Champaign	116,116	8,611	25	13,064	397	1,407	11,951	45	21,016	3,074	56,260	266
26 University of Arizona	107,819	4,096	180	7,438	1,432	875	3,279	1,204	48,141	20,833	18,187	2,154
27 Boston University	102,642	50	0	32,349	3,721	2,830	3,119	609	48,617	1,593	9,705	49
28 University of Chicago	99,378	107	108	3,212	30	180	4,351	0	65,607	6,075	19,708	0
29 University of Rochester	98,935	53	0	3,996	250	0	20,192	0	64,882	1,542	8,020	0
30 U Alabama Birmingham	90,737	655	99	2,094	143	720	309	622	76,299	4,535	5,261	0
Total 1st 30 institutions	5,181,611	82,228	16,718	472,471	360,339	30,727	275,218	42,884	2,926,953	289,451	654,123	30,499
31 Case Western Reserve U	89,608	252	0	4,192	250	88	602	0	72,040	6,441	5,683	60
32 Baylor Col of Medicine	88,276	9,000	0	441	70	0	1,375	169	76,310	911	0	0
33 University of Iowa	87,875	475	187	2,722	660	987	679	60	69,162	5,407	6,094	1,442
34 California Inst of Tech	87,702	0	119	20,753	0	0	9,571	262	15,893	13,224	26,607	1,273
35 U CA Davis	84,495	6,547	0	1,408	0	325	14,807	1,969	44,557	1,644	12,763	475
36 Ohio State University	84,121	9,745	891	5,838	70	0	4,351	276	36,459	4,495	16,110	5,886
37 Northwestern University	82,636	50	0	11,414	50	1,396	3,546	0	44,625	1,442	18,821	1,292
38 Vanderbilt University	82,091	110	0	5,655	0	900	1,279	0	67,719	2,162	4,216	50
39 Indiana University	81,374	264	530	2,655	0	301	3,436	282	53,548	812	18,723	823
40 University of Virginia	79,221	3	206	4,482	1,172	0	3,140	320	48,389	7,946	12,190	1,373
Total 1st 40 institutions	6,029,010	108,674	18,651	532,031	362,611	34,724	318,004	46,222	3,455,655	333,935	775,330	43,173

See explanatory information, if any, and SOURCE at end of table.

Table 3. Federal obligations for science and engineering research and development to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by agency: fiscal year 1993

[Dollars in thousands]

Institution and ranking	Total	USDA	Com	DoD re-search [1]	DoD devel-op-ment [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
41 New York University	77,694	70	0	4,778	0	150	3,799	1,018	62,606	359	4,914	0
42 University of Utah	77,407	300	195	8,220	100	0	4,347	2,000	48,894	631	10,858	1,862
43 University of Florida	77,341	9,798	618	9,677	557	1,344	3,123	930	38,179	2,784	8,912	1,419
44 U MD College Park	76,300	5,413	3,583	10,335	1,040	165	7,355	1,995	7,009	16,861	22,245	299
45 Purdue University	74,920	11,321	161	7,148	217	10	10,882	262	21,472	2,632	19,265	1,550
46 Carnegie Mellon U	73,474	0	25	28,685	2,009	0	6,488	422	9,459	3,813	20,697	1,876
47 Rutgers the St U of NJ	70,059	4,704	861	14,063	433	1,503	3,611	679	22,452	1,692	13,350	6,711
48 Michigan State University	67,666	14,452	0	1,439	104	1,488	5,227	587	20,845	218	23,099	207
49 University of Miami	67,315	0	270	5,758	0	619	388	223	49,120	2,585	8,349	3
50 Texas A&M University	65,174	13,732	1,063	6,629	100	0	4,143	1,614	14,042	3,753	18,684	1,414
Total 1st 50 institutions	6,756,360	168,464	25,427	628,763	367,171	40,003	367,367	55,952	3,749,733	369,263	925,703	58,514
51 Yeshiva University NY	64,627	0	0	317	0	0	0	0	63,752	0	558	0
52 Emory University	64,526	79	0	1,031	0	345	317	0	61,249	63	1,442	0
53 U CA Irvine	61,567	0	0	6,029	0	0	4,700	185	37,396	1,862	11,395	0
54 Woods Hole Oceangraphic	61,399	0	1,117	23,757	3,477	0	1,528	0	120	817	29,999	584
55 U TX SW Med Ctr Dallas	61,269	237	0	52	0	0	0	0	58,319	2,194	467	0
56 Princeton University	59,871	0	296	14,280	40	0	6,866	155	14,626	4,305	19,208	95
57 SUNY at Stony Brook	58,590	14	0	3,437	0	0	5,362	145	32,222	2,205	15,185	20
58 Louisiana State U	56,197	5,622	637	14,801	0	0	2,703	3,620	23,198	1,250	5,060	1,306
59 Georgetown University	56,523	54	28	8,802	0	556	0	50	32,634	0	933	13,466
60 University of New Mexico	55,827	0	0	28,190	2,935	37	1,639	140	13,348	2,962	6,505	71
Total 1st 60 institutions	7,358,756	174,470	27,505	729,459	373,623	40,941	390,482	60,247	4,086,597	384,921	1,016,455	74,056
61 U IL Chicago	55,202	248	1,653	2,686	1,151	525	1,235	157	41,435	310	5,802	0
62 Oregon State University	53,999	13,274	912	6,686	28	0	1,311	2,856	7,066	3,085	15,267	3,514
63 University of Cincinnati	51,936	0	0	3,523	210	0	637	3,684	38,841	2,171	2,870	0
64 University of Georgia	51,903	11,603	443	1,450	0	1,622	13,863	1,344	10,984	142	10,452	0
65 U CA Santa Barbara	51,459	298	621	12,447	0	212	3,380	681	6,260	3,947	22,779	834
66 Georgia Institute of Tech	50,805	0	140	19,559	15,934	0	1,107	3,480	2,528	6,822	0	1,235
67 NC State U Raleigh	50,661	10,692	1,292	6,665	158	655	2,497	3,343	6,074	3,203	14,826	1,256
68 U MD Baltimore	49,992	0	75	1,177	888	0	0	590	46,641	0	621	0
69 New Mexico State U	47,265	3,552	59	4,755	6,576	0	4,973	62	2,135	21,210	3,208	735
70 University of Kentucky	46,594	6,822	56	597	0	0	4,831	669	25,985	266	7,028	340
Total 1st 70 institutions	7,868,572	220,959	32,756	789,004	398,568	43,955	424,316	77,113	4,274,546	426,077	1,099,308	81,970
71 Colorado State University	46,360	7,823	0	3,968	66	119	2,635	628	16,895	2,352	9,024	2,850
72 Tufts University	45,015	11,910	0	1,195	45	187	1,159	3,400	25,074	231	1,814	0
73 U TX Hlth Sci Ctr S Anto	44,987	0	0	449	0	0	0	0	43,723	209	606	0
74 U Hawaii Manoa	44,660	5,404	0	3,438	0	1,147	258	35	12,848	7,859	13,275	396
75 CUNY Mt Sinai Schl of Med	43,638	0	0	0	0	0	95	0	42,977	384	182	0
76 University of Connecticut	42,992	2,474	1,423	1,830	87	1,920	665	1,764	27,582	217	4,929	101
77 U TX MD Anderson Cancer	42,602	212	0	151	0	0	0	64	41,895	100	180	0
78 U Med & Dent of NJ	41,788	0	0	81	0	199	65	340	39,416	362	1,325	0
79 Iowa State University	41,468	14,550	440	1,705	0	400	5,350	1,063	5,150	958	6,619	5,233
80 Dartmouth College	41,349	321	317	3,065	0	0	742	223	30,363	872	5,436	10
Total 1st 80 institutions	8,303,431	263,653	34,936	804,886	398,766	47,927	435,285	84,630	4,560,469	439,621	1,142,698	90,560

See explanatory information, if any, and SOURCE at end of table.

10

Table 3. Federal obligations for science and engineering research and development to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by agency: fiscal year 1993

[Dollars in thousands]

Page 3 of 3

Institution and ranking	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
81 Virginia Commonwealth U	40,568	124	0	711	160	372	234	42	37,535	531	809	50
82 Wayne State University	40,172	0	64	1,959	0	498	525	0	33,701	499	2,926	0
83 Utah State University	38,841	2,936	85	6,147	18,476	756	21	53	4,526	1,577	2,181	2,083
84 Thomas Jefferson U	38,180	0	0	306	0	362	261	261	36,663	0	327	0
85 Oregon Hlth Sciences U	37,898	150	0	77	0	0	0	119	36,945	0	607	0
86 Wake Forest University	37,768	0	221	65	0	0	0	0	37,017	60	405	0
87 U TX Hlth Sci Ctr Houstn	37,465	212	0	446	0	0	376	479	34,686	535	731	0
88 University of Dayton	37,065	0	0	26,072	9,979	0	0	370	87	338	219	0
89 VA Polytech Inst & St U	36,841	6,784	168	7,475	0	0	3,031	949	2,729	4,043	9,019	2,643
90 West Virginia U Morgantwn	35,439	4,398	0	10,807	31	0	5,573	2,500	6,993	648	2,569	1,920
Total 1st 90 institutions	8,683,668	278,257	35,474	858,951	427,412	49,915	445,306	89,403	4,791,351	447,852	1,162,491	97,256
91 U MA Amherst	35,227	4,742	0	8,227	1,403	0	1,028	103	5,635	1,416	12,542	131
92 Rockefeller University	35,184	0	0	364	56	0	1,101	120	32,720	41	782	0
93 U MA Worcester	34,574	248	0	315	202	0	0	0	32,846	0	963	0
94 Brown University	34,483	150	41	8,058	0	0	2,216	0	12,607	1,858	9,378	175
95 University of Vermont	33,915	4,478	0	296	0	263	539	411	26,327	20	1,266	315
96 University of Kansas	33,522	134	0	1,614	0	1,628	832	206	22,710	921	5,344	133
97 U Alaska Fairbanks	31,738	1,421	1,129	707	0	0	472	395	523	12,901	12,422	1,768
98 SUNY at Buffalo	31,355	351	0	557	0	0	730	545	23,697	384	5,091	0
99 Washington State U	29,541	8,566	180	2,799	157	157	2,636	448	7,857	279	5,424	1,038
100 U Tennessee Knoxville	28,833	6,058	0	2,907	0	0	9,927	406	4,092	592	4,750	101
Total 1st 100 institutions	9,012,040	304,405	36,824	884,795	429,230	51,963	464,787	92,037	4,960,365	466,264	1,220,453	100,917

[1] In this table Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at university-affiliated laboratories that are separate from the academic departments.

[2] Includes Department of Transportation, Agency for International Development, Department of Housing and Urban Development, Department of Labor, Nuclear Regulatory Commission, and Department of the Interior

NOTE: Does not include R&D obligations to university-administered federally funded research and development centers

KEY:
Com = Department of Commerce
DoD = Department of Defense
DOE = Department of Energy
Ed = Department of Education
EPA = Environmental Protection Agency
HHS = Department of Health and Human Services
NASA = National Aeronautics and Space Administration
NSF = National Science Foundation
USDA = U.S. Department of Agriculture

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1993

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Table 4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
United States, total	10,940,124	462,464	58,434	1,129,998	456,866	94,811	582,110	142,606	5,610,296	631,139	1,605,937	165,463
Alabama, total	160,742	11,457	348	13,425	2,431	1,873	2,808	1,442	88,388	23,401	12,612	2,557
Alabama A & M University	6,444	2,344	0	1,392	351	165	0	0	0	790	1,109	293
Alabama State University	12	0	0	0	0	0	0	0	0	0	12	0
Auburn University	18,483	6,242	45	2,662	100	0	730	307	1,491	3,660	1,823	1,423
Faulkner University	137	0	0	0	0	137	0	0	0	0	0	0
Gadsden State Cmty Col	297	0	0	0	0	0	0	0	0	0	0	297
Jacksonville State U	434	0	0	0	0	0	0	0	0	0	434	0
Selma University	127	0	0	0	0	0	127	0	0	0	0	0
Stillman College	25	0	0	0	0	25	0	0	0	0	0	0
Talladega College	239	0	0	0	0	36	0	0	0	0	203	0
Trenholm St Tech Col	24	0	0	0	0	24	0	0	0	0	0	0
Troy St U Main	33	0	0	8	0	0	0	0	0	0	25	0
Tuskegee University	6,993	2,216	0	2,328	50	0	38	0	270	1,562	529	0
U Alabama Birmingham	90,737	655	99	2,094	143	720	309	622	76,299	4,535	5,261	0
U Alabama Huntsville	19,879	0	102	3,473	1,690	0	190	453	193	12,514	1,264	0
U Alabama Sys Off	1,161	0	0	1,074	0	0	0	0	87	0	0	0
U South Alabama	8,339	0	102	98	0	75	44	0	7,447	59	514	0
University of Alabama	7,378	0	0	296	97	691	1,370	60	2,601	281	1,438	544
Alaska, total	34,217	1,569	1,448	815	0	200	552	514	1,914	12,901	12,486	1,818
Alaska Pacific University	152	0	0	108	0	0	0	0	0	0	44	0
U Alaska Anchorage	1,899	0	319	0	0	0	0	119	1,391	0	20	50
U Alaska Fairbanks	31,738	1,421	1,129	707	0	0	472	395	523	12,901	12,422	1,768
U Alaska System Higher Ed	428	148	0	0	0	200	80	0	0	0	0	0
Arizona, total	144,422	4,749	205	12,121	1,496	1,258	4,605	2,090	55,330	23,559	35,669	3,340
Arizona State U Main	27,310	166	25	4,550	64	220	1,326	458	5,942	2,355	12,131	73
Arizona Western College	3	0	0	0	0	0	0	0	0	0	0	3
Maricopa CC Sys Off	1,691	58	0	133	0	0	0	0	0	0	1,500	0
Mesa Community College	132	0	0	0	0	0	0	0	0	0	132	0
Navajo Community College	655	0	0	0	0	163	0	0	0	77	415	0
Northern Arizona U	6,528	182	0	0	0	0	0	428	1,247	294	3,304	1,073
Prescott College	37	0	0	0	0	0	0	0	0	0	0	37
U & St Col AZ Sys Off	247	247	0	0	0	0	0	0	0	0	0	0
University of Arizona	107,819	4,096	180	7,438	1,432	875	3,279	1,204	48,141	20,833	18,187	2,154
Arkansas, total	32,467	9,599	0	1,348	2,600	1,614	264	158	11,927	262	3,749	946
Arkansas State University	76	0	0	0	0	0	0	0	1	75	0	0
Arkansas Tech University	11	11	0	0	0	0	0	0	0	0	0	0
Harding U All Campuses	24	0	0	0	0	0	0	0	0	24	0	0
Henderson State U	2	0	0	0	0	0	0	0	0	0	2	0
Lyon College	260	0	0	0	0	156	0	0	0	0	104	0
U Arkansas Little Rock	2,916	0	0	672	0	0	45	0	1,233	79	887	0
U Arkansas Main	16,101	7,565	0	676	2,600	1,458	200	63	580	84	2,393	482
U Arkansas Monticello	90	0	0	0	0	0	0	0	0	0	90	0
U Arkansas Pine Bluff	1,628	1,481	0	0	0	0	19	0	0	0	39	89
U Arkansas Sys Off	444	294	0	0	0	0	0	0	150	0	0	0

See explanatory information, if any, and SOURCE at end of table.

12

Table 4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD re-search [1]	DoD devel-op-ment [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
Arkansas, continued:												
U Arkansas for Med Sci	10,450	158	0	0	0	0	0	95	9,963	0	234	0
U Central Arkansas	465	90	0	0	0	0	0	0	0	0	0	375
California, total	1,466,549	22,258	7,631	149,084	11,346	10,542	85,001	10,025	793,273	137,242	230,516	9,631
CA St Col Bakersfield	13	0	0	0	0	0	0	0	0	0	13	0
CA St Poly U Pomona	788	10	0	0	0	0	0	0	0	0	778	0
CA St U Chico	34	0	0	0	0	0	0	0	0	34	0	0
CA St U Dominguez Hills	193	0	0	0	0	0	0	0	0	0	193	0
CA St U Fresno	563	0	0	0	0	200	0	0	93	89	181	0
CA St U Fullerton	1,212	0	0	0	0	0	301	0	338	52	521	0
CA St U Hayward	916	0	0	27	0	0	200	60	328	50	241	10
CA St U Long Beach	1,965	0	0	0	0	189	0	0	1,405	95	276	0
CA St U Los Angeles	2,075	0	0	84	0	0	0	0	106	121	1,764	0
CA St U Northridge	1,662	0	0	105	0	0	78	0	210	178	1,091	0
CA St U Sacramento	64	0	0	0	0	24	0	0	0	0	40	0
CA St U San Bernardino	739	0	0	0	0	0	0	0	99	0	640	0
CA State Poly U San Luis	854	28	0	333	0	0	0	0	0	298	195	0
CA State U System Office	95	7	0	0	0	88	0	0	0	0	0	0
California Inst of Tech	87,702	0	119	20,753	0	0	9,571	262	15,893	13,224	26,007	1,273
California Lutheran U	200	0	0	0	0	200	0	0	0	0	0	0
Cerritos College	147	0	0	0	0	147	0	0	0	0	0	0
Charles Drew U Med & Sci	4,298	0	0	0	0	200	0	0	4,098	0	0	0
Claremont McKenna College	68	0	0	3	0	0	0	0	0	65	0	0
Col Osteo Med of Pacific	67	0	0	0	0	0	0	0	67	0	0	0
Cypress College	124	0	0	0	0	0	0	0	0	0	124	0
D-Q University	80	0	0	0	0	0	80	0	0	0	0	0
Deep Springs College	19	0	0	0	0	0	0	0	0	0	19	0
Diablo Valley College	23	0	0	0	0	0	0	0	0	0	23	0
Foothill Deanza CC SO	332	0	0	0	0	104	0	0	0	228	0	0
Glendale Cmty Col CA	18	0	0	0	0	0	0	0	0	0	18	0
Harvey Mudd College	554	0	0	0	0	247	0	0	0	33	274	0
Humboldt State University	1,307	271	0	0	0	200	0	0	94	0	546	196
Imperial Valley College	128	0	0	0	0	0	0	0	0	0	0	128
L A Cmty Col District Off	73	0	0	0	0	73	0	0	0	0	0	0
Loma Linda University	2,594	0	0	0	0	0	0	380	2,194	0	0	20
Loyola Marymount U	155	0	0	0	0	0	0	0	116	39	0	0
Mills College	582	0	0	0	0	0	0	0	0	0	582	0
Mission College	35	0	0	0	0	0	0	0	0	0	35	0
Monterey Peninsula Col	247	0	0	0	0	247	0	0	0	0	0	0
Natl Hispanic University	256	0	0	196	0	0	60	0	0	0	0	0
New College of California	87	0	0	0	0	0	0	0	0	0	87	0
Occidental College	482	0	0	152	0	0	0	0	90	0	240	0
Pepperdine University	66	0	0	0	0	0	0	0	0	0	66	0
Pomona College	458	0	0	0	0	0	0	0	198	0	260	0

See explanatory information, if any, and SOURCE at end of table.

Table 4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993

[Dollars in thousands]

Page 3 of 23

State and institution	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
California, continued:												
San Diego State U	13,192	55	43	1,402	0	247	1,099	0	6,965	338	2,830	213
San Francisco State U	5,491	0	7	187	0	244	39	0	1,021	207	3,746	40
San Jose State University	9,172	0	612	387	0	0	60	0	104	4,700	3,319	10
Santa Clara University	387	0	0	0	0	0	0	0	0	125	262	0
Sonoma State University	140	0	0	0	0	0	0	0	0	95	45	0
St Marys Col CA	20	0	0	0	0	0	0	0	0	0	20	0
Stanford University	249,575	90	50	35,467	732	0	7,340	5,003	119,882	54,441	24,661	1,909
Taft College	22	0	0	0	0	0	0	0	0	0	22	0
U CA Berkeley	133,232	11,324	68	5,625	177	1,229	3,068	313	53,076	22,348	34,683	1,321
U CA Davis	84,495	6,547	0	1,408	0	325	14,807	1,969	44,557	1,644	12,763	475
U CA Irvine	61,567	0	0	6,029	0	0	4,700	185	37,396	1,862	11,395	0
U CA Los Angeles	195,788	363	0	11,852	1,403	2,931	21,665	360	129,321	8,974	18,438	481
U CA Office of Pres	7,823	0	5,755	0	0	0	0	0	1,968	0	0	100
U CA Riverside	19,108	2,079	0	447	177	322	1,680	662	7,229	1,817	4,695	0
U CA San Diego	204,063	1,150	75	23,438	664	0	10,330	0	115,063	16,244	35,926	1,173
U CA San Francisco	175,388	0	0	871	1,837	135	3,181	50	165,993	1,039	2,282	0
U CA Santa Barbara	51,459	298	621	12,447	0	212	3,380	681	6,260	3,947	22,779	834
U CA Santa Cruz	17,407	36	0	2,856	0	1,488	1,595	0	4,696	1,297	5,387	50
U San Francisco	727	0	0	0	0	0	0	0	394	289	44	0
U Southern California	125,297	0	281	25,035	6,356	1,490	1,767	100	73,294	3,369	12,207	1,398
University of San Diego	421	0	0	0	0	0	0	0	262	0	159	0
University of the Pacific	461	0	0	0	0	0	0	0	461	0	0	0
West Valley College	12	0	0	0	0	0	0	0	0	0	12	0
Westmont College	27	0	0	0	0	0	0	0	0	0	27	0
Colorado, total	208,487	8,320	9,199	13,897	795	1,044	8,381	2,940	103,002	20,327	37,045	3,537
Colorado College	41	0	0	0	0	0	0	0	0	0	41	0
Colorado School of Mines	4,983	0	0	869	303	0	1,269	793	0	515	1,020	214
Colorado State University	46,360	7,823	0	3,968	66	119	2,635	628	16,895	2,352	9,024	2,850
Fort Lewis College	249	0	0	0	0	0	0	0	0	0	226	23
Front Range Cmty Col	32	32	0	0	0	0	0	0	0	0	0	0
Otero Junior College	2,726	0	0	0	0	0	0	0	2,726	0	0	0
Regis University CO	92	0	0	0	0	0	0	0	92	0	0	0
Trinidad State Junior Col	238	0	0	0	0	238	0	0	0	0	0	0
U Northern Colorado	738	0	0	0	0	355	0	0	0	35	328	20
U Southern Colorado	556	0	0	0	0	0	0	0	0	556	0	0
University of Colorado	145,497	295	9,199	7,343	426	255	4,340	1,224	81,213	15,823	24,949	430
University of Denver	6,975	170	0	1,717	0	77	137	296	2,076	1,046	1,457	0
Connecticut, total	216,542	3,158	1,461	9,703	142	1,920	10,998	1,764	167,907	1,529	17,855	105
Central Connecticut St U	92	0	0	0	0	0	0	0	0	0	88	4
Connecticut College	434	0	0	0	0	0	0	0	106	0	328	0
Fairfield University	29	0	0	0	0	0	0	0	0	0	29	0
Quinnipiac College	249	0	0	0	0	0	0	0	249	0	0	0
Sacred Heart University	365	0	0	0	0	0	0	0	0	0	365	0

See explanatory information, if any, and SOURCE at end of table.

14

Table 4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993

[Dollars in thousands]

Page 4 of 23

State and institution	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
Connecticut, continued:												
Southern Connecticut St U	145	0	0	0	0	0	0	0	49	0	96	0
Trinity College CT	136	0	0	0	0	0	0	0	0	0	136	0
University of Bridgeport	55	0	0	0	55	0	0	0	0	0	0	0
University of Connecticut	42,992	2,474	1,423	1,830	87	1,920	665	1,764	27,582	217	4,929	101
University of Hartford	210	0	0	0	0	0	0	0	73	47	90	0
University of New Haven	143	0	0	0	0	0	0	0	0	0	143	0
Wesleyan University	2,541	175	38	168	0	0	130	0	1,118	30	882	0
Yale University	169,151	509	0	7,705	0	0	10,203	0	138,730	1,235	10,769	0
Delaware, total	24,421	2,769	753	4,959	263	2,359	1,174	559	2,956	1,134	6,863	632
Delaware State University	1,531	804	0	605	0	25	0	0	0	18	79	0
Delaware Tech & Cmty Col	242	0	0	0	0	240	0	0	0	0	0	2
University of Delaware	22,648	1,965	753	4,354	263	2,094	1,174	559	2,956	1,116	6,784	630
District of Columbia, total	109,857	1,050	429	21,692	470	1,900	871	398	51,510	7,344	10,367	13,826
American University	918	0	0	0	0	0	0	0	233	25	660	0
Catholic U of America	2,805	136	187	511	132	0	153	0	454	629	550	53
Gallaudet University	1,521	0	0	0	0	333	0	0	522	0	666	0
George Washington U	27,524	44	197	9,126	172	150	606	204	13,135	2,685	1,015	190
Georgetown University	56,523	54	28	8,802	0	556	0	50	32,634	0	933	13,466
Howard University	18,417	287	17	3,115	166	861	112	144	4,158	3,322	6,235	0
University of DC	2,149	529	0	138	0	0	0	0	374	683	308	117
Florida, total	230,017	11,809	2,200	32,680	1,876	3,016	13,265	3,332	104,294	16,887	34,374	6,284
Barry University	213	0	0	0	0	195	0	0	0	0	18	0
Brevard Community College	35	0	0	0	0	0	0	0	0	35	0	0
Eckerd College	58	0	0	0	0	0	0	0	0	0	58	0
Embry Riddle Aeronautcl U	1,301	0	0	0	0	200	0	0	111	190	166	634
FL Cmty Col Jacksonville	78	0	0	0	0	0	0	0	0	0	78	0
Florida A&M University	9,247	1,746	0	2,695	0	176	0	0	2,074	2,022	534	0
Florida Atlantic U	9,106	0	0	2,563	0	0	0	0	862	4,516	898	267
Florida Inst of Tech	2,554	0	139	298	85	0	0	171	741	158	937	25
Florida International U	7,863	90	0	1,543	0	120	0	274	1,233	149	1,400	3,054
Florida State University	26,847	115	738	1,871	64	0	9,607	16	4,062	1,913	8,461	0
Nova Southeastern U	933	0	34	95	0	0	0	0	121	0	683	0
Rollins College	42	0	0	0	0	0	42	0	0	0	0	0
U Central Florida	10,251	0	0	6,725	1,070	0	0	0	372	976	1,108	0
U South Florida	14,256	60	401	1,025	100	362	105	118	6,979	1,559	2,665	882
U West Florida	2,379	0	0	430	0	0	0	1,600	242	0	107	0
University of Florida	77,341	9,798	618	9,677	557	1,344	3,123	930	38,179	2,784	8,912	1,419
University of Miami	67,315	0	270	5,758	0	619	388	223	49,120	2,585	8,349	3
University of N Florida	198	0	0	0	0	0	0	0	198	0	0	0
Georgia, total	207,633	13,846	583	25,779	21,296	2,824	17,498	5,116	93,500	10,863	15,131	1,397
Agnes Scott College	11	0	0	0	0	0	0	0	0	0	11	0
Brewton Parker College	112	0	0	0	0	112	0	0	0	0	0	0
Clark Atlanta University	7,673	19	0	1,752	423	310	618	0	193	2,677	1,681	0

See explanatory information, if any, and SOURCE at end of table.

15

Table 4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
Georgia, continued:												
Emory University	64,526	79	0	1,031	0	345	317	0	61,249	63	1,442	0
Fort Valley State College	2,598	2,002	0	0	0	0	446	0	0	0	150	0
Georgia Institute of Tech	50,805	0	140	19,559	15,934	0	1,107	3,480	2,528	6,822	0	1,235
Georgia Southern U	686	24	0	0	0	0	0	0	553	89	20	0
Georgia Southwestern Col	55	0	0	0	0	0	0	0	0	55	0	0
Georgia State University	5,661	4	0	0	0	0	238	0	4,137	319	963	0
Inst Paper Sci & Tech	861	88	0	0	0	0	773	0	0	0	0	0
Kennesaw State College	229	0	0	0	0	0	0	65	134	0	30	0
Medical College GA	9,107	0	0	10	0	0	0	0	9,097	0	0	0
Mercer University	5,490	0	0	0	4,939	0	0	0	481	25	45	0
Middle Georgia College	33	0	0	0	0	33	0	0	0	0	0	0
Morehouse College	796	0	0	0	0	215	0	227	189	0	165	0
Morehouse School of Med	3,904	0	0	0	0	0	106	0	3,267	471	60	0
Morris Brown College	1,154	0	0	827	0	187	0	0	130	0	10	0
Spelman College	1,252	0	0	1,150	0	0	0	0	0	0	102	0
U System of Georgia	740	27	0	0	0	0	0	0	551	0	0	162
University of Georgia	51,903	11,603	443	1,450	0	1,622	13,863	1,344	10,984	142	10,452	0
Valdosta State University	7	0	0	0	0	0	0	0	7	0	0	0
West Georgia College	30	0	0	0	0	0	30	0	0	0	0	0
Hawaii, total	53,488	6,046	2,013	3,438	0	1,667	2,386	35	13,760	7,859	13,275	3,009
U Hawaii Hilo	2,584	571	2,013	0	0	0	0	0	0	0	0	0
U Hawaii Manoa	44,660	5,404	0	3,438	0	1,147	258	35	12,848	7,859	13,275	396
U Hawaii System Off	6,244	71	0	0	0	520	2,128	0	912	0	0	2,613
Idaho, total	16,545	6,359	32	492	0	200	534	663	1,959	58	3,586	2,662
Boise State University	444	0	32	166	0	0	0	0	0	0	227	19
Idaho State University	1,041	72	0	0	0	0	495	0	255	31	176	12
Lewis Clark State College	25	0	0	0	0	0	0	0	0	0	25	0
North Idaho College	971	0	0	0	0	0	0	0	970	0	0	1
University of Idaho	14,064	6,287	0	326	0	200	39	663	734	27	3,158	2,630
Illinois, total	402,096	10,709	1,786	33,331	1,728	5,441	23,156	664	200,514	11,171	111,801	1,795
Black Hawk College	67	0	0	0	0	67	0	0	0	0	0	0
Bradley University	771	0	0	0	0	0	0	0	0	0	723	48
Chicago State University	1,627	0	0	1	0	164	0	0	0	0	1,462	0
City Colleges of Chicago	388	0	0	0	0	0	356	0	0	0	32	0
Columbia College IL	92	0	0	92	0	0	0	0	0	0	0	0
De Paul University	1,115	0	0	23	0	0	0	0	601	0	491	0
East West University	160	0	0	0	0	160	0	0	0	0	0	0
Eastern Illinois U	506	0	0	0	0	0	0	0	0	0	506	0
Elmhurst College	725	0	0	0	0	0	0	0	0	0	725	0
Finch U Hlth Sci	5,008	0	0	0	0	0	0	0	4,882	0	128	0
Illinois Benedictine Col	37	0	0	0	0	0	0	0	0	37	0	0
Illinois Inst of Tech	4,330	0	0	2,045	100	0	138	142	948	161	796	0
Illinois State University	1,223	257	0	0	0	0	0	0	572	0	394	0

See explanatory information, if any, and SOURCE at end of table.

16

Table 4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
Illinois, continued:												
Illinois Wesleyan U	54	0	0	0	0	0	0	0	0	54	0	0
John A Logan College	11	0	0	0	0	0	0	0	11	0	0	0
Joliet Jr College	120	0	0	0	0	0	0	0	0	0	120	0
Knox College	195	0	0	0	0	0	0	0	39	0	156	0
Lake Forest College	160	0	0	0	0	0	0	0	0	0	160	0
Loyola U Chicago	9,618	4	0	214	0	0	0	242	7,971	0	1,187	0
Midwestern University	119	0	0	0	0	0	0	0	119	0	0	0
Northeastern Illinois U	114	0	0	0	0	114	0	0	0	0	0	0
Northern Illinois U	5,309	149	0	278	0	948	233	0	1,057	0	2,591	53
Northwestern University	82,636	50	0	11,414	50	1,396	3,546	0	44,625	1,442	18,821	1,292
Rush University	733	0	0	0	0	0	0	0	733	0	0	0
Sangamon State University	34	0	0	0	0	0	0	0	0	0	34	0
Southern IL U Carbondale	8,790	872	0	0	0	0	1,194	0	5,969	18	605	132
Southern IL U Edwardsvle	5,402	0	0	0	0	0	0	0	4,669	0	733	0
Southern IL University	153	15	0	0	0	0	0	0	134	0	0	4
Trinity Evangel Div Schl	135	0	0	0	0	135	0	0	0	0	0	0
U IL Central Office	933	262	0	248	0	145	152	0	126	0	0	0
U IL Chicago	55,202	248	1,653	2,686	1,151	525	1,235	157	41,435	310	5,802	0
U IL Urbana Champaign	116,116	8,611	25	13,064	397	1,407	11,951	45	21,016	3,074	56,260	266
University of Chicago	99,378	107	108	3,212	30	180	4,351	0	65,607	6,075	19,708	0
Western Illinois U	835	134	0	54	0	200	0	78	0	0	369	0
Indiana, total	172,670	11,622	749	11,135	217	511	18,212	669	79,197	4,164	43,815	2,379
Ball State University	524	30	0	0	0	0	0	0	392	0	102	0
Col Court Report Hobart	200	0	0	0	0	200	0	0	0	0	0	0
De Pauw University	16	0	0	0	0	0	0	0	0	16	0	0
Earlham College	47	0	0	0	0	0	0	0	0	47	0	0
Indiana St U All Campuses	589	4	0	0	0	0	0	0	103	38	438	6
Indiana University	81,374	264	530	2,655	0	301	3,436	262	53,548	812	18,723	823
Manchester College	12	0	0	0	0	0	0	0	0	12	0	0
Purdue University	74,920	11,321	161	7,148	217	10	10,882	262	21,472	2,632	19,265	1,550
Rose Hulman Inst of Tech	99	0	0	0	0	0	0	0	0	17	82	0
St Marys Col IN	3	3	0	0	0	0	0	0	0	0	0	0
U Indianapolis	18	0	0	0	0	0	0	0	0	0	18	0
University of Notre Dame	14,654	0	58	1,332	0	0	3,744	125	3,682	526	5,187	0
Valparaiso University	214	0	0	0	0	0	150	0	0	64	0	0
Iowa, total	132,338	15,025	627	4,427	660	1,587	6,366	1,837	75,410	6,453	13,248	6,698
Coe College	133	0	0	0	0	0	0	0	0	0	110	23
Divine Word College	29	0	0	0	0	0	0	0	0	0	29	0
Dordt College	52	0	0	0	0	0	0	0	0	0	52	0
Drake University	180	0	0	0	0	0	0	0	88	59	33	0
Graceland College	23	0	0	0	0	0	0	0	0	0	23	0
Grinnell College	54	0	0	0	0	0	0	14	0	0	40	0
Iowa State University	41,468	14,550	440	1,705	0	400	5,350	1,063	5,150	958	6,619	5,233

See explanatory information, if any, and SOURCE at end of table.

17

Table 4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
Iowa, continued:												
Kirkwood Community Col	256	0	0	0	0	0	0	0	256	0	0	0
Luther College	41	0	0	0	0	0	0	0	0	0	41	0
Maharishi Intl University	801	0	0	0	0	0	0	0	754	0	47	0
St Ambrose University	22	0	0	0	0	0	0	0	0	0	22	0
U Northern Iowa	1,044	0	0	0	0	200	0	700	0	29	115	0
University of Iowa	87,875	475	187	2,722	660	987	679	60	69,162	5,407	6,094	1,442
Upper Iowa University	337	0	0	0	0	0	337	0	0	0	0	0
William Penn College	23	0	0	0	0	0	0	0	0	0	23	0
Kansas, total	62,468	6,216	0	9,929	0	2,123	3,769	2,060	25,873	2,063	8,975	1,460
Emporia State University	26	0	0	0	0	0	0	0	0	26	0	0
Kansas City Kansas CC	1	0	0	0	0	0	0	0	0	0	0	1
Kansas State University	26,236	6,082	0	8,250	0	37	2,937	1,854	2,597	1,056	3,097	326
Pittsburg State U	200	0	0	0	0	0	0	0	0	0	200	0
Seward County Cmty Col	458	0	0	0	0	458	0	0	0	0	0	0
University of Kansas	33,522	134	0	1,614	0	1,628	832	206	22,710	921	5,344	133
Wichita State University	2,025	0	0	65	0	0	0	0	566	60	334	1,000
Kentucky, total	58,818	9,515	56	1,218	0	0	5,408	776	33,086	698	7,721	340
Berea College	21	0	0	0	0	0	0	0	0	0	21	0
Centre College	8	0	0	0	0	0	0	0	0	0	8	0
Eastern Kentucky U	291	0	0	0	0	0	0	0	81	0	210	0
Kentucky State University	2,650	2,650	0	0	0	0	0	0	0	0	0	0
Murray State University	60	43	0	0	0	0	0	0	0	0	17	0
Northern Kentucky U	326	0	0	0	0	0	0	107	90	0	129	0
Transylvania University	131	0	0	0	0	0	0	0	105	0	26	0
University of Kentucky	46,594	6,822	56	597	0	0	4,831	669	25,985	266	7,028	340
University of Louisville	6,945	0	0	621	0	0	178	0	5,432	432	282	0
Western Kentucky U	1,792	0	0	0	0	0	399	0	1,393	0	0	0
Louisiana, total	96,200	7,500	637	17,697	202	438	8,501	4,771	43,415	1,506	7,329	4,204
Centenary College of LA	22	0	0	0	0	0	0	0	0	0	22	0
Dillard University	120	76	0	0	0	24	20	0	0	0	0	0
Grambling State U	617	0	0	205	0	0	0	0	186	0	180	46
LA St U System Office	142	68	0	0	0	0	0	0	0	0	0	74
LA U Marine Consortium	319	0	0	0	0	0	267	0	0	0	0	52
Louisiana College	10	10	0	0	0	0	0	0	0	0	0	0
Louisiana State U	58,197	5,622	637	14,801	0	0	2,703	3,620	23,198	1,250	5,060	1,306
Louisiana Tech University	456	165	0	142	0	0	0	0	0	0	149	0
Loyola U New Orleans	36	0	0	0	0	0	0	0	0	0	36	0
McNeese State University	67	0	0	0	0	0	0	0	0	0	67	0
Nicholls State University	5	0	0	0	0	0	0	0	0	0	5	0
Northeast Louisiana U	326	5	0	28	0	0	0	20	203	0	70	0
Northwest State U	50	50	0	0	0	0	0	0	0	0	0	0
Southeastern Louisiana U	383	0	0	0	36	247	0	0	0	0	100	0
Southern U & A&M College	4,724	1,228	0	1,146	166	167	0	391	964	45	502	115

See explanatory information, if any, and SOURCE at end of table.

Table 4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993

[Dollars in thousands]

Page 8 of 23

State and institution	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
Louisiana, continued:												
Tulane University	27,238	75	0	1,062	0	0	5,090	375	17,350	91	842	2,353
U Southwestern Louisiana	2,083	184	0	224	0	0	0	0	1,001	120	296	258
Xavier University LA	1,405	17	0	89	0	0	421	365	513	0	0	0
Maine, total	13,572	4,414	1,401	348	0	629	1,420	1,544	717	175	2,544	380
Bates College	24	0	0	0	0	0	0	0	0	0	24	0
Bowdoin College	663	0	0	0	0	0	0	0	0	65	598	0
Colby College	13	0	0	0	0	0	0	0	0	13	0	0
College of the Atlantic	38	0	0	0	0	0	0	0	0	0	38	0
St Josephs Col ME	28	0	0	0	0	0	0	0	0	0	28	0
U Maine Augusta	1,249	0	0	0	0	0	1,249	0	0	0	0	0
U Maine Machias	39	0	0	0	0	39	0	0	0	0	0	0
U Maine Presque Isle	23	23	0	0	0	0	0	0	0	0	0	0
U Maine System Office	2,121	323	1,401	0	0	0	0	0	201	0	0	196
University of Maine	9,184	4,068	0	348	0	590	171	1,544	352	97	1,830	184
University of S Maine	190	0	0	0	0	0	0	0	164	0	26	0
Maryland, total	687,277	7,139	4,101	30,554	276,838	2,539	13,893	5,033	280,554	27,177	38,663	786
Allegany Community Col	12	0	0	0	0	0	0	0	0	0	12	0
Bowie State University	541	0	0	150	0	0	0	0	102	45	169	75
Catonsville Cmty College	1	0	0	0	0	0	0	0	0	0	0	1
Charles County Cmty Col	47	0	0	0	0	31	0	0	0	16	0	0
Col of Notre Dame MD	128	0	0	0	0	0	0	0	0	0	128	0
Garrett Community College	100	0	0	0	0	100	0	0	0	0	0	0
Goucher College	19	0	0	0	0	0	0	0	0	0	19	0
Howard Community College	150	0	0	0	0	0	0	0	0	0	150	0
Johns Hopkins University	543,873	170	230	17,033	274,750	1,906	5,442	377	223,725	9,802	10,438	0
Loyola College	88	0	0	0	0	0	0	0	0	0	88	0
Morgan State University	1,307	0	0	218	160	0	468	304	0	0	157	0
Mount St Marys Col MD	86	46	0	0	0	0	0	0	0	0	40	0
Prince Georges Cmty Col	146	0	0	0	0	0	0	0	0	0	146	0
Salisbury State U	34	10	7	0	0	0	0	0	0	0	17	0
St Marys Col MD	134	0	0	0	0	0	0	0	134	0	0	0
Towson State University	581	0	0	0	0	0	0	109	0	0	472	0
U MD Baltimore	49,992	0	75	1,177	888	0	0	590	46,641	0	621	0
U MD Baltimore County	7,293	293	60	313	0	0	263	73	2,136	416	3,739	0
U MD College Park	76,300	5,413	3,583	10,335	1,040	165	7,355	1,995	7,009	16,861	22,245	299
U MD Eastern Shore	1,956	1,197	0	52	0	337	0	0	370	0	0	0
U MD University Col	1,687	0	0	1,276	0	0	0	0	300	0	0	111
U Maryland Sys Admin	958	10	146	0	0	0	365	0	137	0	0	300
U of MD Center for EES	1,622	0	0	0	0	0	0	1,585	0	37	0	0
Washington College	44	0	0	0	0	0	0	0	0	0	44	0
Western Maryland College	178	0	0	0	0	0	0	0	0	0	178	0

See explanatory information, if any, and SOURCE at end of table.

19

Table 4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993

[Dollars in thousands]

Page 9 of 23

State and institution	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
Massachusetts, total	782,288	18,160	2,910	161,856	11,378	3,771	70,955	9,688	313,125	49,460	134,817	6,168
Amherst College	803	0	0	16	0	0	0	0	240	0	547	0
Assumption College	97	0	0	0	0	0	0	0	97	0	0	0
Boston College	8,156	15	0	2,926	455	0	197	0	2,477	105	1,800	181
Boston University	102,642	50	0	32,349	3,721	2,830	3,119	609	48,617	1,593	9,705	49
Brandeis University	21,651	0	0	2,788	0	0	852	0	12,207	375	3,729	1,700
Bridgewater State College	204	0	0	0	0	0	0	0	76	0	128	0
Clark University	2,051	0	88	456	0	0	222	272	209	69	735	0
Col of Our Lady of Elms	171	0	0	0	0	0	0	0	96	0	75	0
Col of the Holy Cross	570	0	0	0	0	0	0	0	306	13	251	0
Emerson College	199	0	0	0	0	39	0	0	160	0	0	0
Endicott College	75	0	0	0	0	0	0	0	75	0	0	0
Five Colleges Inc	653	0	0	0	0	0	0	0	0	0	653	0
Greenfield Community Col	40	0	0	0	0	40	0	0	0	0	0	0
Hampshire College	270	0	0	0	0	39	0	0	0	0	231	0
Harvard University	169,173	127	0	10,000	0	0	5,252	2,509	125,405	6,200	19,438	242
Lesley College	152	0	0	0	0	0	0	0	0	0	152	0
MA Inst of Technology	251,845	597	1,535	58,148	50	180	56,291	1,926	51,403	38,437	40,864	2,414
Merrimack College	328	0	0	0	0	0	0	250	0	0	78	0
Mount Holyoke College	836	0	0	0	0	0	75	0	95	0	666	0
Mount Wachusett Cmty Col	30	0	0	0	0	30	0	0	0	0	0	0
New England Col Optometry	104	0	0	0	0	0	0	0	104	0	0	0
Northeastern University	26,197	0	0	17,552	0	56	369	348	3,014	0	4,858	0
Radcliffe College	1	0	0	0	0	0	0	0	0	0	0	1
Salem State College	76	0	0	0	0	0	0	0	76	0	0	0
Simmons College	445	0	0	0	0	0	0	0	445	0	0	0
Smith College	221	0	0	0	0	0	0	0	94	0	127	0
Springfield College MA	130	0	0	0	0	0	0	0	130	0	0	0
Tufts University	45,015	11,910	0	1,195	45	187	1,159	3,400	25,074	231	1,814	0
U MA Amherst	35,227	4,742	0	8,227	1,403	0	1,028	103	5,635	1,416	12,542	131
U MA Boston	3,749	200	0	707	0	299	206	50	1,612	0	675	0
U MA Central Office	634	146	110	0	0	0	0	0	0	0	0	378
U MA Dartmouth	1,245	0	0	0	0	0	0	0	110	0	1,135	0
U MA Lowell	3,505	75	0	878	412	71	402	98	1,103	0	466	0
U MA Worcester	34,574	248	0	315	202	0	0	0	32,846	0	963	0
Wellesley College	2,355	0	0	0	0	0	0	123	883	137	1,212	0
Wentworth Inst of Tech	1,861	0	0	248	1,613	0	0	0	0	0	0	0
Williams College	763	0	0	0	0	0	0	0	317	5	441	0
Woods Hole Oceangraphic	61,399	0	1,117	23,757	3,477	0	1,528	0	120	817	29,999	584
Worcester Polytech Inst	4,841	50	60	2,294	0	0	255	0	99	62	1,533	488
Michigan, total	368,972	15,629	707	24,602	2,612	4,188	14,909	7,327	195,433	38,993	60,888	3,684
Alma College	222	0	0	0	0	0	0	0	0	0	222	0
Andrews University	218	0	0	0	0	0	0	0	0	0	218	0
Calvin College	45	0	0	0	0	0	0	0	0	0	45	0
Central Michigan U	200	0	0	0	0	0	0	0	150	0	50	0

See explanatory information, if any, and SOURCE at end of table.

20

Table 4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993

[Dollars in thousands]

Page 10 of 23

State and institution	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
Michigan, continued:												
Cnsrtm Intl Earh Sci Info	27,000	0	0	0	0	0	0	0	0	27,000	0	0
Cranbrook Acad of Art	202	0	0	0	0	202	0	0	0	0	0	0
Eastern Michigan U	951	120	0	0	0	0	0	0	333	0	498	0
Ferris State University	106	0	0	0	0	0	0	0	106	0	0	0
GMI Engineering Mgt Inst	383	0	0	0	0	0	0	0	0	0	383	0
Grand Valley State U	402	0	0	0	0	188	0	25	0	74	104	11
Hope College	541	0	0	0	0	0	0	0	104	69	368	0
Kalamazoo College	248	0	0	0	0	0	0	0	171	0	77	0
Lawrence Technological U	10	0	0	0	0	0	0	0	0	0	10	0
Madonna University	87	0	0	0	0	0	0	0	0	0	87	0
Michigan State University	67,666	14,452	0	1,439	104	1,488	5,227	587	20,845	218	23,099	207
Michigan Tech University	7,297	397	0	1,921	782	0	897	963	0	359	1,834	144
Northern Michigan U	743	0	0	550	0	193	0	0	0	0	0	0
Oakland University	2,679	0	0	0	0	0	48	0	2,221	0	410	0
U of Detroit Mercy	1,599	80	0	144	0	0	0	1,200	46	0	129	0
University of Michigan	214,612	580	643	18,492	1,726	235	8,114	4,474	137,236	10,763	29,027	3,322
Wayne State University	40,172	0	64	1,959	0	498	525	0	33,701	499	2,926	0
West Shore Community Col	210	0	0	0	0	210	0	0	0	0	0	0
Western Michigan U	3,379	0	0	97	0	1,174	98	78	520	11	1,401	0
Minnesota, total	171,428	9,857	219	15,597	200	4,134	6,158	2,170	101,421	3,087	26,980	1,605
Augsburg College	860	0	0	219	0	0	0	0	0	0	641	0
Bemidji State University	130	0	0	0	0	0	0	0	95	35	0	0
Bethel College & Seminary	4	0	0	0	0	0	0	0	0	0	4	0
Carleton College	160	0	0	0	0	0	0	0	0	0	160	0
College of St Scholastica	96	0	0	0	0	0	0	0	96	0	0	0
Concordia Col Moorhead	65	0	0	0	0	0	0	0	0	0	65	0
Gustavus Adolphus College	90	0	0	0	0	0	0	0	0	0	90	0
Hamline University	100	0	0	0	0	0	0	0	0	0	100	0
Macalester College	177	0	0	0	0	0	0	0	0	0	177	0
Mankato State University	121	0	0	0	0	0	0	0	91	30	0	0
Moorhead State University	102	0	0	0	0	0	0	0	102	0	0	0
Normandale Community Col	220	0	0	0	0	220	0	0	0	0	0	0
Southwest State U	100	100	0	0	0	0	0	0	0	0	0	0
St Cloud State University	294	50	139	0	0	0	0	0	0	0	105	0
St Marys Col MN	10	0	0	0	0	0	0	0	0	0	10	0
St Olaf College	164	0	0	0	0	0	0	0	23	0	141	0
St Paul Tech College	6	6	0	0	0	0	0	0	0	0	0	0
U of St Thomas MN	25	0	0	0	0	0	0	0	0	0	25	0
University of Minnesota	168,675	9,701	80	15,378	200	3,914	6,158	2,170	101,014	3,022	25,433	1,605
Winona State University	29	0	0	0	0	0	0	0	0	0	29	0

See explanatory information, if any, and SOURCE at end of table.

Table 4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
Mississippi, total	51,309	14,273	43	5,396	521	1,559	7,317	277	9,546	1,504	9,391	1,482
Alcorn State University	1,953	1,888	0	65	0	0	0	0	0	0	0	0
Hinds Cmty Col Raymond	369	0	0	0	0	369	0	0	0	0	0	0
Jackson State University	6,374	20	0	940	0	167	1,535	0	1,206	0	2,496	10
MS Gulf Cst CC Perkinstn	155	0	0	0	0	155	0	0	0	0	0	0
Mississippi State U	20,366	9,831	0	1,657	0	756	2,151	179	414	1,134	4,036	208
Mississippi Valley St U	131	0	0	0	0	112	0	0	0	19	0	0
Pearl River Cmty College	25	0	0	0	0	0	0	0	0	25	0	0
Rust College	188	25	0	0	163	0	0	0	0	0	0	0
U Southern Mississippi	5,845	1,227	43	1,729	0	0	151	0	560	100	2,035	0
University of Mississippi	15,903	1,282	0	1,005	358	0	3,480	98	7,366	226	824	1,264
Missouri, total	197,385	11,206	75	6,196	0	1,940	4,351	276	151,241	4,636	15,319	2,145
Avila College	51	0	0	0	0	0	0	0	0	0	50	1
Harris Stowe State Col	4	0	0	0	0	0	0	0	0	0	0	4
Kirksville Col Osteo Med	478	0	0	0	0	0	0	0	478	0	0	0
Lincoln University MO	1,887	1,869	0	0	0	0	0	0	0	0	0	18
North Central MO Col	1,117	0	0	0	0	0	0	0	1,117	0	0	0
Northeast Missouri St U	65	0	0	0	0	0	0	0	0	0	65	0
Northwest Missouri St U	220	0	0	0	0	220	0	0	0	0	0	0
Southeast Missouri St U	192	0	0	0	0	29	0	0	0	0	163	0
Southwest Missouri St U	341	0	0	0	0	0	0	0	0	0	341	0
St Louis Community Col	1	0	0	0	0	0	0	0	0	0	0	1
St Louis University	15,475	0	0	168	0	0	0	0	14,523	129	405	250
U Missouri Columbia	28,481	9,007	0	832	0	0	1,584	195	12,350	242	3,840	431
U Missouri Kansas City	4,694	0	0	281	0	0	103	0	4,199	0	103	8
U Missouri Rolla	6,127	0	0	1,425	0	0	449	0	232	403	2,579	1,039
U Missouri St Louis	2,606	120	0	365	0	0	0	31	858	0	1,232	0
U Missouri System Admin	2,436	98	75	0	0	1,691	193	0	74	0	0	305
Washington University	133,210	112	0	3,125	0	0	2,022	50	117,410	3,862	6,541	88
Montana, total	24,358	5,162	0	929	0	695	936	457	3,339	883	10,905	1,052
Blackfeet Community Col	1	0	0	0	0	0	0	0	0	0	0	1
Carroll College MT	8	8	0	0	0	0	0	0	0	0	0	0
MT State U Billings	43	0	0	0	0	0	0	0	0	33	10	0
MT State U Bozeman	15,587	4,381	0	929	0	65	46	336	1,849	334	7,151	496
MT Tech U of MT	141	8	0	0	0	0	0	0	0	0	59	74
Montana U Sys Sys Off	2,187	662	0	0	0	0	0	0	0	0	1,525	0
Salish Kootenai College	2	0	0	0	0	0	0	0	0	0	0	2
University of Montana	6,389	103	0	0	0	630	890	121	1,490	516	2,160	479
Nebraska, total	41,077	8,702	0	1,308	0	223	1,016	357	19,086	888	9,231	266
Chadron State College	1	0	0	0	0	0	0	0	0	0	0	1
Creighton University	4,336	0	0	0	0	127	105	0	3,687	0	417	0
Doane College	99	0	0	0	0	0	0	0	0	0	99	0
Peru State College	20	0	0	0	0	0	0	0	20	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table 4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
Nebraska, continued:												
U NE Ctrl Admin Sys Off	707	150	0	0	0	0	533	0	0	0	0	24
U Nebraska Lincoln	23,205	8,552	0	1,308	0	96	128	357	3,198	860	8,465	241
U Nebraska Med Ctr Omaha	12,241	0	0	0	0	0	0	0	12,131	0	110	0
U Nebraska Omaha	468	0	0	0	0	0	250	0	50	28	140	0
Nevada, total	24,865	1,733	658	685	0	0	3,637	6,084	6,296	573	3,539	1,660
Cmty Col Southern Nevada	80	0	0	0	0	0	65	0	0	0	0	15
Desert Research Institute	7,484	20	0	0	0	0	2,130	3,781	0	333	1,190	30
U & Cmty Col NV Sys Off	623	0	598	0	0	0	0	0	0	0	0	25
U Nevada Las Vegas	4,765	274	0	485	0	0	1,110	1,907	460	10	405	114
U Nevada Reno	11,913	1,439	60	200	0	0	332	396	5,836	230	1,944	1,476
New Hampshire, total	62,959	2,609	764	3,551	0	190	1,569	1,310	33,533	10,323	8,821	289
Colby-Sawyer College	101	0	0	0	0	0	0	0	101	0	0	0
Dartmouth College	41,349	321	317	3,065	0	0	742	223	30,363	872	5,436	10
Franklin Pierce Law Ctr	7	0	0	0	0	0	7	0	0	0	0	0
Notre Dame College NH	40	0	0	0	0	40	0	0	0	0	0	0
U New Hampshire	21,342	2,288	447	486	0	150	820	1,087	3,069	9,451	3,385	159
U System of NH Sys Off	120	0	0	0	0	0	0	0	0	0	0	120
New Jersey, total	187,236	4,704	1,163	33,424	1,194	2,328	10,943	5,375	77,177	6,443	37,104	7,381
Drew University	14	0	0	0	0	0	0	0	0	0	14	0
Essex County College	160	0	0	0	0	160	0	0	0	0	0	0
Fairleigh Dickinson U	34	0	0	0	0	0	0	0	0	0	34	0
Monmouth College NJ	2,372	0	0	2,300	0	0	0	0	0	0	72	0
NJ Inst of Technology	8,121	0	0	990	496	210	104	3,972	0	0	1,799	550
Passaic County Cmty Col	108	0	0	0	0	108	0	0	0	0	0	0
Princeton University	59,871	0	296	14,280	40	0	6,866	155	14,626	4,305	19,208	95
R Stockton State Col NJ	6	0	6	0	0	0	0	0	0	0	0	0
Raritan Valley Cmty Col	112	0	0	0	0	0	0	0	0	0	112	0
Rutgers the St U of NJ	70,059	4,704	861	14,063	433	1,503	3,611	679	22,452	1,092	13,350	6,711
Seton Hall University	1,049	0	0	0	0	148	0	229	607	0	65	0
Stevens Institute of Tech	3,387	0	0	1,710	225	0	297	0	0	84	1,046	25
Trenton State College	79	0	0	0	0	0	0	0	0	0	79	0
U Med & Dent of NJ	41,788	0	0	81	0	199	65	340	39,416	362	1,325	0
William Paterson College	76	0	0	0	0	0	0	0	76	0	0	0
New Mexico, total	112,115	3,702	59	38,466	9,568	201	7,859	202	15,483	24,249	10,835	1,491
College of Santa Fe	80	0	0	0	0	0	0	0	0	0	0	80
Eastern New Mexico U	29	0	0	29	0	0	0	0	0	0	0	0
NM Inst Mining & Tech	8,349	150	0	5,283	57	0	1,247	0	0	49	966	597
New Mexico Highlands U	557	0	0	209	0	164	0	0	0	28	156	0
New Mexico State U	47,265	3,552	59	4,755	6,576	0	4,973	62	2,135	21,210	3,208	735
San Juan College	8	0	0	0	0	0	0	0	0	0	0	8
University of New Mexico	55,827	0	0	28,190	2,935	37	1,639	140	13,348	2,962	6,505	71

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23

Table 4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
New York, total	941,509	15,677	1,547	62,652	2,945	1,492	59,686	13,899	596,756	25,936	155,181	5,738
Adelphi University	152	0	0	0	0	0	0	0	152	0	0	0
Albany Col of Pharmacy	94	0	0	0	0	0	0	0	94	0	0	0
Albany Medical College	7,661	0	0	0	0	0	0	150	7,511	0	0	0
Alfred University	1,096	0	62	469	0	0	276	0	0	0	289	0
Bank Street Col of Ed	74	0	0	0	0	0	0	0	0	0	74	0
Barnard College	984	0	0	93	0	0	0	0	714	0	177	0
CUNY Bernard Baruch Col	398	0	0	379	0	0	0	0	0	0	19	0
CUNY Bronx Cmty College	324	0	0	0	0	0	0	0	324	0	0	0
CUNY Brooklyn College	1,259	0	0	0	0	0	127	0	484	50	598	0
CUNY City College	9,844	0	0	1,200	0	0	719	100	2,344	415	4,166	900
CUNY Col Staten Island	349	0	0	0	0	0	35	0	269	40	5	0
CUNY Grad Schl & U Ctr	2,431	0	0	12	0	0	0	0	1,603	0	816	0
CUNY H H Lehman College	1,261	0	0	0	0	0	35	0	274	0	952	0
CUNY Hostos Cmty College	59	0	0	0	0	0	0	0	0	0	59	0
CUNY Hunter College	3,891	0	0	546	0	0	0	0	2,534	0	811	0
CUNY J Jay Col Crim Just	138	0	0	0	0	0	0	0	0	0	138	0
CUNY Laguardia Cmty Col	310	0	0	0	0	0	0	0	310	0	0	0
CUNY Mt Sinai Schl of Med	43,638	0	0	0	0	0	95	0	42,977	384	182	0
CUNY NY City Tech Col	333	0	0	0	0	0	233	0	0	0	100	0
CUNY Queens College	1,646	0	0	362	0	0	92	0	877	0	315	0
CUNY Queensboro Cmty Col	303	0	0	0	0	0	0	0	0	0	303	0
CUNY System Office	3,080	0	0	1,795	0	0	0	0	0	132	1,153	0
Clarkson University	5,389	0	0	1,151	0	0	327	174	302	1,981	1,454	0
Colgate University	662	0	0	0	0	0	0	0	183	0	479	0
College of St Rose	117	0	0	0	0	0	0	0	0	0	117	0
Columbia U Central Off	710	0	0	0	0	0	0	0	710	0	0	0
Columbia U City New York	194,910	10	1,377	9,272	0	0	15,589	10,091	120,682	6,446	30,549	894
Cooper Union	150	0	0	0	0	0	0	0	0	50	100	0
Cornell University	174,226	13,009	108	17,201	455	0	4,727	245	77,280	7,300	53,066	835
D'Youville College	28	0	0	0	0	28	0	0	0	0	0	0
Elmira College	226	0	0	0	0	0	0	0	0	0	226	0
Fordham University	2,256	0	0	0	0	0	0	0	1,707	0	549	0
Hamilton College	106	0	0	0	0	0	0	0	0	0	106	0
Hartwick College	38	0	0	0	0	0	0	0	0	0	38	0
Hobart Wm Smith Colleges	15	0	0	0	0	0	0	0	0	0	15	0
Hofstra University	592	0	0	0	0	0	0	0	137	101	354	0
Iona College	158	0	0	0	0	28	0	0	0	0	130	0
Ithaca College	676	0	0	0	0	0	0	0	0	0	676	0
Long Island University	272	0	0	0	0	0	0	0	0	0	272	0
Manhattan College	269	0	0	0	0	0	0	189	0	0	80	0
New School Social Rsch	216	0	0	0	0	0	0	0	176	0	40	0
New York Inst Technology	453	0	0	375	0	0	0	0	78	0	0	0

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Table 4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
New York, continued:												
New York Medical College	14,513	156	0	0	0	1,055	0	0	13,203	0	99	0
New York University	77,694	70	0	4,778	0	150	3,799	1,018	62,606	359	4,914	0
Niagara University	97	0	0	0	0	0	0	0	66	31	0	0
Pace University	324	0	0	0	0	0	39	0	285	0	0	0
Polytechnic University	6,216	0	0	2,759	174	0	402	0	0	466	2,415	0
Pratt Institute	4	0	0	0	0	0	0	0	0	0	4	0
Rensselaer Polytech Inst	21,296	215	0	7,535	411	0	2,426	545	1,117	2,012	6,925	110
Rochester Inst Technology	1,033	0	0	0	0	0	0	0	800	38	195	0
Rockefeller University	35,184	0	0	364	56	0	1,101	120	32,720	41	782	0
Russell Sage College	119	0	0	0	0	0	0	0	0	0	119	0
SUNY Col Brockport	559	0	0	0	0	0	0	0	0	0	559	0
SUNY Col Buffalo	693	0	0	0	0	0	0	0	512	95	86	0
SUNY Col Cortland	114	0	0	0	0	0	0	0	0	0	114	0
SUNY Col Env Sci & Forest	555	448	0	0	0	0	0	0	0	0	107	0
SUNY Col Geneseo	190	0	0	0	0	0	0	0	0	0	190	0
SUNY Col Old Westbury	418	0	0	0	0	0	0	0	0	0	418	0
SUNY Col Oneonta	50	0	0	0	0	0	0	0	0	0	50	0
SUNY Col Oswego	154	0	0	0	0	0	0	0	0	0	154	0
SUNY Col Plattsburgh	235	0	0	0	0	0	0	0	199	36	0	0
SUNY Col Tech Delhi	63	0	0	0	0	0	0	0	0	0	63	0
SUNY Col of Optometry	166	0	0	0	0	0	0	0	166	0	0	0
SUNY Dutchess Cmty Col	115	0	0	0	0	0	0	0	0	0	115	0
SUNY Fashion Inst Tech	919	0	0	0	884	0	0	0	0	0	35	0
SUNY Hlth Sci Ctr Brookly	13,321	0	0	0	0	0	0	0	13,064	0	257	0
SUNY Hlth Sci Ctr Syracus	7,850	0	0	0	0	0	327	0	7,363	0	160	0
SUNY Inst Tech Utica Rome	109	0	0	0	0	0	0	0	0	0	109	0
SUNY Maritime College	1,310	0	0	0	0	0	1,310	0	0	0	0	0
SUNY Nassau Cmty College	55	0	0	0	0	0	0	0	0	0	55	0
SUNY Purchase Col	120	0	0	0	0	0	0	0	0	55	65	0
SUNY Suffolk Co Cmty Col	150	0	0	0	0	0	0	0	0	0	150	0
SUNY System Office	7,863	0	0	4,488	38	0	0	0	230	0	265	2,842
SUNY at Albany	14,024	1,106	0	462	0	0	307	577	7,617	999	2,954	2
SUNY at Binghamton	4,392	100	0	182	50	0	43	0	1,217	306	2,384	110
SUNY at Buffalo	31,355	351	0	557	0	0	730	545	23,697	384	5,091	0
SUNY at Stony Brook	58,590	14	0	3,437	0	0	5,362	145	32,222	2,205	15,185	20
Siena College	253	120	0	0	0	0	0	0	0	0	133	0
St Johns University NY	874	0	0	0	0	0	0	0	874	0	0	0
St Lawrence University	9	0	0	0	0	0	0	0	0	0	9	0
Syracuse University	14,010	25	0	798	627	0	1,236	0	7,140	468	3,691	25
Teachers Col Columbia U	1,533	0	0	0	0	231	0	0	1,302	0	0	0
U State of NY Regents Col	157	0	0	0	0	0	157	0	0	0	0	0
Union College NY	45	0	0	0	0	0	0	0	0	0	45	0
University of Rochester	98,935	53	0	3,996	250	0	20,192	0	64,882	1,542	8,020	0
Vassar College	422	0	0	124	0	0	0	0	0	0	298	0
Yeshiva University NY	64,627	0	0	317	0	0	0	0	63,752	0	558	0

See explanatory information, if any, and SOURCE at end of table.

25

Table 4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
North Carolina, total	385,188	15,120	3,433	22,446	1,361	4,392	9,356	10,553	266,096	6,191	40,656	5,584
Appalachian St University	298	0	0	0	0	0	0	0	0	34	264	0
Barber Scotia College	238	0	0	0	0	24	18	0	0	0	196	0
Bennett College NC	206	0	0	0	0	0	0	0	0	0	206	0
Chowan College	34	0	0	0	0	0	0	0	0	0	34	0
Davidson College	247	0	0	0	0	0	0	0	167	0	80	0
Duke University	138,839	745	0	6,131	630	0	5,015	1,967	110,720	552	12,689	390
East Carolina University	4,998	0	87	910	0	0	0	0	3,191	48	742	20
Elizabeth City State U	257	0	0	0	0	207	0	0	0	0	50	0
Fayetteville State U	112	0	0	0	0	0	0	0	0	0	112	0
Guilford College	32	0	0	0	0	0	0	0	0	32	0	0
Haywood Cmty College	17	17	0	0	0	0	0	0	0	0	0	0
Livingstone College	306	0	0	0	0	306	0	0	0	0	0	0
NC Ag & Tech State U	11,284	2,799	0	3,858	573	0	306	0	42	1,811	673	1,222
NC State U Raleigh	50,661	10,692	1,292	6,665	158	655	2,497	3,343	6,074	3,203	14,826	1,256
North Carolina Central U	521	0	0	276	0	0	0	0	165	0	0	80
Shaw University	74	20	0	54	0	0	0	0	0	0	0	0
U NC Asheville	193	2	0	0	0	0	25	0	0	43	123	0
U NC Chapel Hill	129,071	796	41	3,598	0	1,289	1,381	5,146	107,472	269	8,751	328
U NC Charlotte	1,987	0	222	736	0	0	114	40	0	139	736	0
U NC General Admin Off	2,356	0	68	0	0	0	0	0	0	0	0	2,288
U NC Greensboro	3,057	19	0	74	0	1,598	0	57	1,075	0	234	0
U NC Wilmington	2,289	0	1,502	79	0	0	0	0	173	0	535	0
Wake Forest University	37,768	0	221	65	0	0	0	0	37,017	60	405	0
Western Carolina U	343	30	0	0	0	313	0	0	0	0	0	0
North Dakota, total	20,995	8,867	0	1,000	287	136	5,390	1,600	2,294	62	870	489
Jamestown College	136	0	0	0	0	136	0	0	0	0	0	0
Mayville State University	342	0	0	0	0	0	0	0	342	0	0	0
Minot State University	292	0	0	0	0	0	0	0	292	0	0	0
North Dakota State U	9,752	7,234	0	1,000	88	0	0	0	544	0	526	360
University of N Dakota	10,473	1,633	0	0	199	0	5,390	1,600	1,116	62	344	129
Ohio, total	307,347	10,566	903	44,017	10,957	1,003	6,605	4,962	165,421	22,462	34,474	5,977
Antioch University	160	0	0	0	0	160	0	0	0	0	0	0
Baldwin Wallace College	123	0	0	0	0	0	0	0	0	123	0	0
Bowling Green State U	1,758	0	0	201	0	0	0	206	465	0	866	20
Case Western Reserve U	89,608	252	0	4,192	250	88	602	0	72,040	6,441	5,683	60
Central State U OH	1,139	0	0	596	262	0	24	0	0	253	0	4
Cincinnati Col Mort Sci	216	0	0	0	0	216	0	0	0	0	0	0
Cleveland State U	3,815	0	0	0	0	0	0	0	732	3,025	58	0
College of Wooster	137	0	0	0	0	0	0	0	0	120	17	0
Cuyahoga Cmty Col	436	0	0	0	0	39	0	91	0	306	0	0
Denison University	104	6	0	0	0	0	47	0	0	51	0	0
Heidelberg College	20	0	0	0	0	0	0	0	0	20	0	0

See explanatory information, if any, and SOURCE at end of table.

Table 4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
Ohio, continued:												
John Carroll University	303	0	0	0	0	0	0	0	0	259	44	0
Kent State University	4,766	0	0	214	0	0	207	0	628	413	3,304	0
Kenyon College	245	0	0	0	0	0	0	0	101	50	94	0
Lorain County Cmty Col	20	0	0	0	0	0	0	0	0	20	0	0
Marietta College	16	0	0	0	0	0	0	0	0	0	16	0
Medical College OH Toledo	7,256	0	0	250	0	0	0	0	6,652	0	354	0
Miami University OH	3,056	425	0	0	0	340	39	249	619	0	1,377	7
N E Ohio U Col of Med	1,011	0	0	0	0	0	0	0	1,011	0	0	0
Oberlin College	1,076	0	0	0	0	0	0	0	409	0	667	0
Ohio Northern University	51	0	0	0	0	0	0	0	0	0	51	0
Ohio State University	84,121	9,745	891	5,838	70	0	4,351	276	36,459	4,495	16,110	5,886
Ohio University	2,791	110	12	373	0	0	573	51	545	404	723	0
Ohio Wesleyan University	200	0	0	66	0	0	0	0	0	0	134	0
Sinclair Community Col	87	0	0	0	0	0	0	0	0	0	87	0
University of Akron	3,302	23	0	310	0	160	0	0	624	1,369	816	0
University of Cincinnati	51,936	0	0	3,523	210	0	637	3,684	38,841	2,171	2,870	0
University of Dayton	37,065	0	0	26,072	9,979	0	0	370	87	338	219	0
University of Toledo	3,096	0	0	94	0	0	125	0	478	2,101	298	0
Wilberforce University	433	5	0	0	0	0	0	0	0	428	0	0
Wittenberg University	25	0	0	0	0	0	0	0	0	25	0	0
Wright State University	8,788	0	0	2,288	186	0	0	35	5,543	50	686	0
Xavier University OH	122	0	0	0	0	0	0	0	122	0	0	0
Youngstown St University	65	0	0	0	0	0	0	0	65	0	0	0
Oklahoma, total	45,077	7,084	0	3,187	2,100	902	6,572	1,091	14,477	400	8,305	959
Cameron University	50	0	0	50	0	0	0	0	0	0	0	0
Carl Albert State Col	200	0	0	0	0	200	0	0	0	0	0	0
East Central University	113	0	0	0	0	0	0	113	0	0	0	0
Langston University	1,589	1,582	0	0	0	0	7	0	0	0	0	0
Northeastern State U	25	0	0	0	0	0	0	0	25	0	0	0
Oklahoma State University	14,777	5,250	0	1,830	2,100	0	384	429	1,237	0	3,334	213
Redlands Cmty College	9	9	0	0	0	0	0	0	0	0	0	0
U of Central Oklahoma	49	49	0	0	0	0	0	0	0	0	0	0
University of Oklahoma	25,668	145	0	1,166	0	702	4,771	518	12,976	400	4,269	721
University of Tulsa	2,597	49	0	141	0	0	1,410	31	239	0	702	25
Oregon, total	130,083	14,015	912	13,147	313	3,251	5,056	3,323	57,380	3,599	24,842	4,245
Central Oregon Cmty Col	593	0	0	0	0	0	0	0	593	0	0	0
Eastern Oregon St College	222	172	0	0	0	0	0	0	0	0	50	0
Linfield College	191	0	0	151	0	0	0	0	0	0	40	0
Mount Hood Community Col	1,268	0	0	0	0	0	0	0	1,268	0	0	0
Oregon Grad Inst Sci Tech	10,207	0	0	5,067	285	0	609	182	1,833	192	2,139	100
Oregon Hlth Sciences U	37,898	150	0	77	0	0	0	119	36,945	0	607	0
Oregon Institute of Tech	300	0	0	0	0	0	300	0	0	0	0	0
Oregon State University	53,999	13,274	912	6,686	28	0	1,311	2,856	7,066	3,085	15,267	3,514

See explanatory information, if any, and SOURCE at end of table.

27

Table 4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
Oregon, continued:												
Portland State University	1,848	0	0	0	0	0	110	147	428	0	1,163	0
Reed College	326	0	0	0	0	0	43	0	0	40	243	0
Southern Oregon St Col	89	0	0	0	0	0	0	0	0	39	50	0
University of Oregon	22,756	419	0	1,166	0	3,095	2,562	0	9,357	243	5,283	631
University of Portland	140	0	0	0	0	0	121	19	0	0	0	0
Western Oregon State Col	246	0	0	0	0	156	0	0	90	0	0	0
Pennsylvania, total	708,093	13,182	129	119,162	36,098	9,796	24,882	3,093	386,196	19,656	84,740	11,159
Allegheny College	317	0	0	0	0	0	0	0	90	0	227	0
Alvernia College	22	0	0	0	0	0	0	0	0	0	0	22
Beaver College PA	21	0	0	0	0	0	0	0	0	0	21	0
Bryn Mawr College	695	0	0	0	0	0	0	0	227	0	468	0
Bucknell University	339	0	0	20	0	0	0	0	68	21	230	0
California U of PA	2,042	0	0	0	0	0	0	0	2,042	0	0	0
Carlow College	120	0	0	0	0	0	0	0	0	0	120	0
Carnegie Mellon U	73,474	0	25	28,685	2,009	0	6,488	422	9,459	3,813	20,697	1,876
Chatham College	40	0	0	0	0	40	0	0	0	0	0	0
Chestnut Hill College	79	0	0	0	0	0	0	0	0	0	79	0
Clarion U of PA	70	0	0	0	0	0	0	0	0	0	70	0
Delaware Valley College	103	29	0	0	0	0	0	0	0	0	74	0
Dickinson College	167	0	0	0	0	0	0	0	0	0	167	0
Drexel University	10,537	90	0	1,958	186	0	196	486	712	907	5,977	25
Duquesne University	1,052	355	0	76	0	0	0	0	311	0	310	0
Franklin & Marshall Col	352	0	0	0	0	0	0	0	0	9	343	0
Gettysburg College	281	0	0	0	0	0	0	0	0	0	281	0
Haverford College	344	0	0	0	0	0	0	0	0	0	344	0
Indiana U of PA	249	0	0	0	0	199	0	0	0	0	50	0
Juniata College	400	0	0	0	0	0	0	0	0	0	400	0
Kings College PA	73	0	0	0	0	0	0	0	0	0	73	0
Kutztown U of PA	23	0	0	0	0	0	0	0	0	0	23	0
Lafayette College	406	0	0	0	0	0	0	0	0	37	369	0
Lehigh University	16,247	205	0	4,102	72	0	2,654	324	537	363	7,265	725
Lincoln University PA	1,232	36	0	1,036	0	155	0	0	0	0	0	5
Lycoming College	547	0	0	0	0	0	0	0	547	0	0	0
Marywood College	10,000	0	0	10,000	0	0	0	0	0	0	0	0
Medical College PA	25,317	0	0	749	0	0	0	0	24,306	0	262	0
Millersville U of PA	120	50	0	0	0	0	0	0	0	0	70	0
Moravian College	23	0	0	23	0	0	0	0	0	0	0	0
Northampton Co Cmty Col	50	0	0	0	0	0	0	0	0	0	50	0
PA College of Optometry	276	0	0	0	0	0	0	0	276	0	0	0
PA Technical Institute	467	0	0	0	0	0	0	0	0	0	0	467
Pace Institute	866	0	0	0	0	0	866	0	0	0	0	0
Pennsylvania State U	173,070	11,595	58	46,994	30,045	1,364	5,866	1,300	36,663	12,939	18,215	8,031
Phila Col of Pharm & Sci	86	0	0	0	0	0	0	0	86	0	0	0

See explanatory information, if any, and SOURCE at end of table.

28

Table 4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
Pennsylvania, continued:												
Phila Col of Text & Sci	25	0	0	0	0	0	0	0	0	0	25	0
Shippensburg U of PA	453	0	0	0	43	0	0	0	410	0	0	0
St Josephs University	71	0	0	0	0	0	0	0	0	0	71	0
St Vincent College & Sem	330	0	0	0	0	0	0	0	0	0	330	0
Susquehanna University	136	0	0	0	0	0	0	0	115	21	0	0
Swarthmore College	494	0	0	0	0	0	0	0	0	0	494	0
Temple University	25,097	0	0	291	63	1,823	431	0	21,259	0	1,229	1
Thomas Jefferson U	38,180	0	0	306	0	362	261	261	36,663	0	327	0
University of PA	186,002	697	46	19,819	2,102	2,976	6,620	75	136,570	343	16,747	7
University of Pittsburgh	136,780	75	0	5,103	1,578	2,841	1,500	225	115,470	990	8,998	0
University of Scranton	101	0	0	0	0	36	0	0	0	0	65	0
Ursinus College	22	0	0	0	0	0	0	0	0	0	22	0
Villanova University	704	0	0	0	0	0	0	0	282	211	211	0
West Chester U of PA	189	50	0	0	0	0	0	0	103	0	36	0
Westminster Col PA	2	0	0	0	0	0	0	0	0	2	0	0
Rhode Island, total	52,785	2,165	1,228	10,137	0	24	2,353	1,354	16,247	3,092	15,528	657
Brown University	34,483	150	41	8,058	0	0	2,216	0	12,607	1,858	9,378	175
Cmty Col Rhode Island	24	0	0	0	0	24	0	0	0	0	0	0
Rhode Island College	318	0	0	0	0	0	67	0	251	0	0	0
U Rhode Island	17,960	2,015	1,187	2,079	0	0	70	1,354	3,389	1,234	6,150	482
South Carolina, total	56,957	7,237	204	4,327	1,775	775	7,919	400	23,574	1,201	8,318	1,227
Benedict College	157	0	0	0	0	0	110	0	0	47	0	0
Citadel Military Col SC	5	0	0	0	0	0	0	0	0	5	0	0
Claflin College	227	0	0	0	0	141	86	0	0	0	0	0
Clemson University	15,296	5,202	0	1,507	1,575	0	2,717	0	336	874	2,273	812
College of Charleston	153	0	0	14	0	0	0	0	0	28	111	0
Erskine College	81	0	0	0	0	0	0	0	0	0	81	0
Francis Marion University	114	0	0	0	0	0	0	0	0	0	114	0
Furman University	239	0	0	0	0	0	0	0	0	0	239	0
Medical U of S Carolina	20,063	122	0	0	0	0	2,800	0	17,046	0	95	0
SC Sea Grant Consortium	9	0	9	0	0	0	0	0	0	0	0	0
South Carolina St U	2,287	1,622	0	121	0	137	407	0	0	0	0	0
U South Carolina	18,002	291	195	2,685	200	173	1,799	400	6,192	247	5,405	415
Voorhees College	324	0	0	0	0	324	0	0	0	0	0	0
South Dakota, total	9,979	3,113	0	53	0	55	0	149	1,328	713	4,025	543
Augustana College	178	68	0	0	0	0	0	0	0	0	110	0
Dakota State University	28	0	0	0	0	28	0	0	0	0	0	0
Kilian Community College	27	0	0	0	0	27	0	0	0	0	0	0
Oglala Lakota College	75	0	0	0	0	0	0	0	0	0	75	0
SD School Mines & Tech	2,102	4	0	53	0	0	0	0	0	628	1,343	74
Sioux Falls College	21	0	0	0	0	0	0	0	0	0	21	0
South Dakota State U	4,809	2,941	0	0	0	0	0	149	105	63	1,117	434
U SD System Office	35	0	0	0	0	0	0	0	0	0	0	35

See explanatory information, if any, and SOURCE at end of table.

Table 4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
South Dakota, continued:												
U South Dakota	2,704	100	0	0	0	0	0	0	1,223	22	1,359	0
Tennessee, total	152,856	8,615	115	10,935	295	1,302	12,834	568	99,172	4,762	11,853	2,405
Bristol University	115	0	115	0	0	0	0	0	0	0	0	0
Christian Brothers U	21	0	0	0	0	0	0	0	0	0	21	0
East Tennessee State U	820	0	0	0	0	0	0	0	784	6	30	0
Fisk University	1,759	0	0	175	0	115	0	0	0	857	107	505
Knoxville College	248	14	0	234	0	0	0	0	0	0	0	0
Lane College	44	0	0	0	0	25	19	0	0	0	0	0
Le Moyne Owen College	69	0	0	0	0	0	0	0	0	0	69	0
Meharry Medical College	6,214	0	0	185	0	0	173	0	4,863	0	993	0
Middle Tennessee St U	39	0	0	0	0	0	34	0	0	0	5	0
Rhodes College	25	0	0	0	0	0	0	0	0	0	25	0
Southern Col of Optometry	63	0	0	0	0	0	0	0	63	0	0	0
State Tech Inst Memphis	14	0	0	0	0	0	0	0	0	0	14	0
Tennessee State U	4,997	2,318	0	1,039	0	39	0	0	819	732	0	50
Tennessee Technological U	1,594	105	0	0	0	0	262	162	79	35	290	661
U TN U Wide Admin Ctrl	2,385	7	0	0	295	192	1,065	0	0	0	407	419
U Tennessee Chattanooga	63	0	0	0	0	31	0	0	0	0	32	0
U Tennessee Knoxville	28,833	6,058	0	2,907	0	0	9,927	406	4,092	592	4,750	101
U Tennessee Martin	231	0	0	132	0	0	0	0	0	0	99	0
U Tennessee Memphis	18,933	0	0	290	0	0	0	0	18,129	257	257	0
University of Memphis	4,293	3	0	318	0	0	75	0	2,624	121	533	619
University of the South	5	0	0	0	0	0	0	0	0	0	5	0
Vanderbilt University	82,091	110	0	5,655	0	900	1,279	0	67,719	2,162	4,216	50
Texas, total	606,459	28,622	1,281	63,452	26,695	1,673	27,453	10,002	337,634	34,788	71,274	3,583
Abilene Christian U	107	0	0	0	0	0	107	0	0	0	0	0
Alamo CC District	228	0	0	0	0	227	0	0	0	0	0	1
Baylor Col of Dentistry	612	0	0	0	0	0	0	0	612	0	0	0
Baylor Col of Medicine	88,276	9,000	0	441	70	0	1,375	169	76,310	911	0	0
Baylor University	2,213	0	0	283	0	335	0	0	0	209	1,321	65
El Paso Cmty College	1	0	0	0	0	0	0	0	0	0	0	1
Houston Community College	369	0	0	0	0	0	325	0	0	0	0	44
Huston Tillotson College	8	0	0	0	0	0	0	0	0	0	0	8
Jarvis Christian College	219	0	0	14	0	127	0	0	78	0	0	0
Lamar U Beaumont	2,810	0	0	0	0	0	0	2,500	0	270	40	0
Midwestern State U	6	6	0	0	0	0	0	0	0	0	0	0
Our Lady of the Lake U	190	0	0	190	0	0	0	0	0	0	0	0
Prairie View A&M U	4,916	2,935	0	217	0	0	600	0	0	1,058	35	71
Rice University	24,425	100	0	2,260	0	0	2,165	600	3,712	2,309	13,279	0
Sam Houston State U	10,138	68	0	10,000	0	0	0	0	0	0	70	0
Southern Methodist U	4,596	70	0	1,852	0	0	522	0	841	50	1,261	0
Southwest Texas St U	697	19	0	50	0	0	0	0	444	30	154	0
Stephen F Austin St U	262	262	0	0	0	0	0	0	0	0	0	0
Sul Ross State University	7	0	0	0	0	0	0	0	0	0	0	7

See explanatory information, if any, and SOURCE at end of table.

30

Table 4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
Texas, continued:												
TX A&M U Kingsville	698	30	0	360	0	0	0	0	0	65	243	0
Tarleton State University	550	0	0	0	0	0	0	550	0	0	0	0
Texas A&M U Sys Off	2,401	0	0	0	0	0	1,174	0	258	50	0	919
Texas A&M University	65,174	13,732	1,063	6,629	100	0	4,143	1,614	14,042	3,753	18,684	1,414
Texas Christian U	2,397	0	0	103	0	0	0	0	1,498	0	796	0
Texas Southern U	2,277	0	0	0	0	235	0	200	1,229	603	10	0
Texas Southmost College	166	0	0	0	0	0	0	0	0	166	0	0
Texas Tech University	7,460	1,126	0	1,013	65	0	342	568	2,409	367	1,522	48
Texas Wesleyan University	36	0	0	0	0	36	0	0	0	0	0	0
Texas Womans University	72	0	0	0	0	0	0	0	72	0	0	0
Trinity University	925	60	0	0	0	0	0	0	463	0	402	0
U N TX Hlth Sci Ctr	3,482	0	0	0	0	0	0	0	3,366	60	56	0
U North Texas	3,057	0	0	943	0	197	150	679	100	75	913	0
U TX Arlington	3,498	0	0	1,163	155	150	225	0	110	230	1,465	0
U TX Austin	117,225	403	198	31,545	26,131	184	14,548	772	16,622	7,765	18,553	504
U TX Dallas	5,373	0	0	2,066	100	0	124	0	1,610	429	1,044	0
U TX El Paso	6,072	0	0	1,413	74	0	0	1,000	924	199	2,382	80
U TX Hlth Sci Ctr Houstn	37,465	212	0	446	0	0	376	479	34,686	535	731	0
U TX Hlth Sci Ctr S Anto	44,987	0	0	449	0	0	0	0	43,723	209	606	0
U TX MD Anderson Cancer	42,602	212	0	151	0	0	0	64	41,895	100	180	0
U TX Med Brnch Galveston	28,616	0	0	178	0	47	316	612	26,768	535	160	0
U TX Permian Basin	61	0	0	61	0	0	0	0	0	0	0	0
U TX SW Med Ctr Dallas	61,269	237	0	52	0	0	0	0	58,319	2,194	467	0
U TX San Antonio	1,632	0	0	175	0	0	42	0	315	116	984	0
U TX System Off	1,556	0	0	0	0	0	0	0	1,150	0	0	406
U of Houston	20,183	150	20	727	0	0	921	195	6,078	6,694	5,383	15
U of Houston Clear Lake	5,806	0	0	0	0	0	0	0	0	5,806	0	0
U of Houston Sys Admin	671	0	0	671	0	0	0	0	0	0	0	0
University of Dallas	469	0	0	0	0	0	0	0	0	0	469	0
Wiley College	199	0	0	0	0	135	0	0	0	0	64	0
Utah, total	123,154	3,376	280	15,150	18,576	756	4,709	2,053	55,854	2,491	15,895	4,014
Brigham Young University	5,573	124	0	783	0	0	341	0	1,241	244	2,771	69
Snow College	16	16	0	0	0	0	0	0	0	0	0	0
Southern Utah University	1,193	0	0	0	0	0	0	0	1,193	0	0	0
University of Utah	77,407	300	195	8,220	100	0	4,347	2,000	48,894	631	10,858	1,862
Utah State University	38,841	2,936	85	6,147	18,476	756	21	53	4,526	1,577	2,181	2,083
Utah Valley State College	20	0	0	0	0	0	0	0	0	20	0	0
Weber State University	104	0	0	0	0	0	0	0	0	19	85	0
Vermont, total	35,856	4,532	0	296	0	263	539	904	26,528	63	2,416	315
Bennington College	148	0	0	0	0	0	0	0	0	0	148	0
Burlington College	91	0	0	0	0	0	0	0	91	0	0	0
Lyndon State College	54	54	0	0	0	0	0	0	0	0	0	0
Middlebury College	423	0	0	0	0	0	0	0	110	18	295	0

See explanatory information, if any, and SOURCE at end of table.

Table 4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
Vermont, continued:												
Norwich University	25	0	0	0	0	0	0	0	0	25	0	0
St Michaels College	707	0	0	0	0	0	0	0	0	0	707	0
University of Vermont	33,915	4,478	0	296	0	263	539	411	26,327	20	1,266	315
Vermont Law School	493	0	0	0	0	0	0	493	0	0	0	0
Virginia, total	200,585	8,926	1,437	20,625	2,339	696	7,448	1,924	93,544	22,282	30,490	10,874
College of William & Mary	6,754	29	1,020	884	0	0	301	88	155	2,278	1,773	226
Dabney Lancaster Cmty Col	9	9	0	0	0	0	0	0	0	0	0	0
Ferrum College	55	0	0	0	0	0	0	0	0	0	55	0
George Mason University	8,819	0	0	5,311	957	0	0	256	192	306	1,425	372
Hampden Sydney College	99	0	0	0	0	0	0	0	0	99	0	0
Hampton University	6,157	0	0	858	0	0	258	119	0	2,666	2,256	0
Hollins College	19	0	0	0	0	0	0	0	0	0	19	0
James Madison University	576	175	0	0	0	0	0	0	123	0	278	0
Longwood College	24	0	0	0	0	0	0	0	0	24	0	0
Lord Fairfax Cmty College	31	0	0	0	0	0	0	0	0	0	31	0
Mary Baldwin College	65	0	0	0	0	0	0	0	0	0	65	0
Med Col Hampton Roads	10,595	0	0	0	0	0	0	0	4,222	163	0	6,210
Mountain Empire Cmty Col	40	0	0	0	0	0	0	0	0	0	40	0
Norfolk State University	387	0	0	0	0	0	70	0	76	241	0	0
Old Dominion University	7,619	0	43	904	50	0	171	0	123	3,979	2,349	0
Radford University	18	0	0	0	0	0	0	0	0	0	18	0
University of Richmond	161	0	0	0	0	0	94	0	0	0	67	0
University of Virginia	79,221	3	206	4,482	1,172	0	3,140	320	48,389	7,946	12,190	1,373
VA Polytech Inst & St U	36,841	6,784	168	7,475	0	0	3,031	949	2,729	4,043	9,019	2,643
Virginia Commonwealth U	40,568	124	0	711	160	372	234	42	37,535	531	809	50
Virginia Military Inst	96	0	0	0	0	0	0	0	0	0	96	0
Virginia State University	2,107	1,802	0	0	0	0	149	150	0	6	0	0
Virginia Union University	324	0	0	0	0	324	0	0	0	0	0	0
Washington, total	285,524	14,050	2,441	23,819	4,657	979	15,939	1,303	167,390	9,416	42,216	3,314
Central Washington U	477	40	0	0	0	0	104	0	0	233	100	0
Centralia College	60	0	0	0	0	0	0	0	0	0	60	0
Clark College	10	0	0	0	0	0	0	0	0	0	10	0
Columbia Basin College	129	0	0	0	0	0	129	0	0	0	0	0
Eastern Washington U	2,275	0	0	0	0	0	0	0	1,945	0	144	186
Edmonds Community College	2,395	0	0	0	0	0	0	0	2,395	0	0	0
Evergreen State College	752	0	0	0	0	0	0	0	0	0	752	0
Gonzaga University	107	0	0	0	0	0	0	0	0	0	107	0
Heritage College	137	0	0	0	0	137	0	0	0	0	0	0
Lower Columbia College	845	0	0	0	0	0	0	0	845	0	0	0
Northwest Indian College	130	0	0	0	0	0	0	0	50	75	0	5
Olympic College	2	0	0	0	0	0	0	0	0	0	0	2
Pacific Lutheran U	24	0	0	0	0	0	0	0	0	0	24	0
Seattle Community College	71	0	0	0	0	0	0	0	0	0	70	1
Seattle Pacific U	24	0	0	24	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

32

Table 4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993

[Dollars in thousands]

State and institution	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
Washington, continued:												
Seattle University	98	0	0	0	0	0	0	0	0	0	98	0
Shoreline Community Col	24	0	0	0	0	0	0	0	0	0	24	0
Skagit Valley College	1,622	0	0	0	0	0	0	0	1,622	0	0	0
University of Washington	246,013	5,433	2,211	20,886	4,500	657	13,070	855	152,495	8,798	35,080	2,028
Walla Walla Community Col	28	0	0	0	0	28	0	0	0	0	0	0
Washington State U	29,541	8,566	180	2,799	157	157	2,636	448	7,857	279	5,424	1,038
Western Washington U	686	11	50	110	0	0	0	0	181	31	249	54
Whitman College	51	0	0	0	0	0	0	0	0	0	51	0
Whitworth College	23	0	0	0	0	0	0	0	0	0	23	0
West Virginia, total	41,053	4,439	0	10,888	31	210	5,705	2,500	8,520	3,605	2,736	2,419
Bluefield State College	76	0	0	0	0	0	0	0	0	0	0	76
Col of West Virginia	132	0	0	0	0	0	132	0	0	0	0	0
Concord College	181	0	0	0	0	0	0	0	181	0	0	0
Fairmont State College	94	1	0	0	0	0	0	0	0	29	64	0
Marshall University	1,800	40	0	81	0	0	0	0	1,346	170	103	60
West Virginia State Col	363	0	0	0	0	0	0	0	0	0	0	363
West Virginia U Morgantwn	35,439	4,398	0	10,807	31	0	5,573	2,500	6,993	648	2,569	1,920
Wheeling Jesuit College	2,968	0	0	0	0	210	0	0	0	2,758	0	0
Wisconsin, total	235,302	11,610	1,917	11,296	604	3,529	19,893	2,284	128,107	12,050	42,280	1,732
Beloit College	279	0	0	0	0	0	0	0	99	72	108	0
Carroll College WI	64	0	0	0	0	0	0	0	64	0	0	0
Lawrence University	225	0	0	0	0	0	0	0	114	0	111	0
Marquette University	2,127	0	0	0	0	200	102	0	743	462	560	60
Medical College WI	24,713	165	0	0	0	0	0	89	23,355	247	190	667
Milwaukee School of Eng	92	0	0	0	0	0	0	0	0	0	92	0
Ripon College	78	0	0	0	0	0	0	0	0	0	78	0
U WI Center System	3,776	0	0	25	0	0	345	0	3,406	0	0	0
U WI Eau Claire	394	0	0	0	0	0	0	0	0	0	394	0
U WI Green Bay	112	0	0	0	0	0	0	0	112	0	0	0
U WI La Crosse	33	0	0	0	0	0	0	0	0	3	30	0
U WI Madison	190,469	10,875	106	10,257	604	3,129	18,528	1,172	95,652	10,838	38,678	630
U WI Milwaukee	5,980	75	0	834	0	0	918	0	2,396	428	1,299	10
U WI Oshkosh	1,897	0	0	0	0	0	0	0	1,874	0	23	0
U WI River Falls	48	0	0	0	0	0	0	0	0	0	48	0
U WI Stevens Point	803	66	0	50	0	0	0	0	0	0	605	82
U WI Superior	1,186	0	0	99	0	0	0	1,023	0	0	64	0
U WI System Office	3,046	429	1,811	31	0	200	0	0	292	0	0	283
Wyoming, total	17,339	2,586	0	1,541	0	200	1,031	520	1,221	375	5,054	4,811
Northwest College	55	0	0	0	0	0	0	0	0	0	55	0
University of Wyoming	17,284	2,586	0	1,541	0	200	1,031	520	1,221	375	4,999	4,811

See explanatory information, if any, and SOURCE at end of table.

33

Table 4. Federal obligations for science and engineering research and development to universities and colleges, by State, institution, and agency: fiscal year 1993

[Dollars in thousands]

Page 23 of 23

State and institution	Total	USDA	Com	DoD research [1]	DoD development [1]	Ed	DOE	EPA	HHS	NASA	NSF	Other [2]
Guam, total	1,438	1,102	0	0	0	0	0	0	0	0	135	201
University of Guam	1,438	1,102	0	0	0	0	0	0	0	0	135	201
Puerto Rico, total	24,864	4,189	350	1,786	0	463	26	211	8,160	383	9,195	101
Catholic U of PR	463	0	0	0	0	463	0	0	0	0	0	0
Inter Am U PR Metropol	265	0	0	0	0	0	0	0	0	0	265	0
Ponce School of Medicine	601	0	0	0	0	0	0	0	601	0	0	0
Sistema U Ana G Mendez	200	0	0	0	0	0	0	0	0	0	200	0
U Central Del Caribe	199	0	0	0	0	0	0	0	199	0	0	0
U PR Humacao U Col	8	0	0	0	0	0	0	0	0	0	8	0
U PR Mayaguez	6,556	4,189	0	463	0	0	6	0	0	219	1,578	101
U PR Medical Sci	6,810	0	0	219	0	0	0	0	6,119	52	420	0
U PR Rio Piedras	2,709	0	0	599	0	0	0	96	1,040	112	862	0
U PR System Off	6,891	0	350	505	0	0	20	0	201	0	5,815	0
U of the Sacred Heart	47	0	0	0	0	0	0	0	0	0	47	0
Universidad Metropolitana	115	0	0	0	0	0	0	115	0	0	0	0
American Samoa, total	679	679	0	0	0	0	0	0	0	0	0	0
American Samoa Cmty Col	679	679	0	0	0	0	0	0	0	0	0	0
Virgin Islands, total	1,210	1,018	0	0	0	0	0	0	85	0	0	107
U of the Virgin Islands	1,210	1,018	0	0	0	0	0	0	85	0	0	107
Trust Territory of the Pacific Islands, total	974	828	0	0	0	0	0	0	146	0	0	0
Col of Micronesia FSM	315	315	0	0	0	0	0	0	0	0	0	0
Northern Marianas College	659	513	0	0	0	0	0	0	146	0	0	0

[1] In this table Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at university-affiliated laboratories that are separate from the academic departments.

[2] Includes Department of Transportation, Agency for International Development, Department of Housing and Urban Development, Department of Labor, Nuclear Regulatory Commission, and Department of the Interior

KEY:
Com = Department of Commerce
DoD = Department of Defense
DOE = Department of Energy
Ed = Department of Education
EPA = Environmental Protection Agency
HHS = Department of Health and Human Services
NASA = National Aeronautics and Space Administration
NSF = National Science Foundation
USDA = U.S. Department of Agriculture

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1993

34

Table 5. Federal obligations for science and engineering to universities and colleges, by type of activity and agency: fiscal years 1963-93

[Dollars in millions]

Page 1 of 5

Fiscal year	Total	USDA	Com	DoD	OEO	Ed	DOE [1]	EPA	HHS	HUD	Int	AID	Labor	NASA	NSF	NRC	DOT
	Total, academic science and engineering (S&E)																
1963	1,328.5	104.0	1.8	218.0	NA	NA	76.1	NA	581.0	NA	3.8	NA	NA	87.4	256.3	NA	NA
1964	1,528.6	115.0	1.7	258.1	NA	NA	79.9	NA	683.8	NA	5.0	NA	NA	107.6	277.5	NA	NA
1965	1,816.2	135.6	2.6	267.9	NA	NA	84.4	NA	856.5	NA	9.6	NA	NA	134.3	325.2	NA	NA
1966	2,163.5	141.0	2.8	278.0	NA	NA	96.9	NA	1,109.2	NA	19.0	NA	NA	142.2	374.5	NA	NA
1967	2,323.8	144.8	4.4	264.1	NA	NA	109.6	NA	1,251.0	NA	23.9	NA	NA	131.5	394.5	NA	NA
1968	2,349.8	144.2	8.0	243.1	12.5	NA	119.7	NA	1,229.4	1.7	28.2	NA	6.6	129.8	422.8	NA	3.7
1969	2,361.4	155.9	2.2	278.7	9.3	NA	121.0	NA	1,261.8	1.1	24.3	3.9	9.1	127.2	367.0	NA	NA
1970	2,187.6	182.1	3.9	265.5	18.9	NA	114.5	NA	1,036.7	.5	27.7	5.5	3.5	131.2	387.4	NA	10.1
1971	2,343.1	214.6	7.6	249.0	16.4	NA	105.8	27.2	1,142.3	.7	22.6	19.1	5.2	134.1	387.7	NA	10.8
1972	2,599.1	238.6	26.0	243.9	8.3	NA	95.4	23.3	1,318.4	1.5	24.3	18.7	7.3	119.0	458.7	NA	15.9
1973	2,464.4	256.8	28.4	232.9	8.7	NA	96.2	27.7	1,225.0	.9	23.7	10.7	6.3	111.4	419.6	NA	15.9
1974	2,737.0	260.7	29.4	184.4	4.1	NA	99.5	30.9	1,515.4	.6	23.8	19.9	7.1	98.9	449.6	NA	12.8
1975	2,805.9	290.7	25.8	190.5	NA	NA	124.3	38.8	1,467.4	2.3	28.8	12.4	5.5	108.0	490.5	**	20.8
1976	2,959.7	328.6	38.2	211.9	NA	NA	144.1	33.0	1,522.2	1.4	28.2	13.5	4.5	118.9	496.3	3.2	15.7
1977	3,351.3	343.2	32.5	267.3	NA	NA	208.1	46.3	1,686.5	4.3	29.5	24.4	7.2	121.0	565.8	4.3	10.9
1978	3,962.5	391.7	35.9	452.3	NA	NA	267.2	57.4	1,900.8	10.5	42.5	28.1	12.6	130.5	607.1	8.4	17.5
1979	4,473.5	422.5	48.0	528.7	NA	NA	273.9	66.9	2,216.0	4.0	40.1	28.5	11.1	143.9	671.6	6.9	11.4
1980	4,791.0	444.1	51.6	555.9	NA	48.0	309.6	81.5	2,281.1	4.3	42.4	38.6	10.3	171.2	726.4	7.0	19.1
1981	5,062.9	491.4	51.8	726.0	NA	56.1	310.4	67.5	2,363.6	3.0	34.2	31.3	12.8	183.5	695.1	7.4	28.5
1982	5,179.6	529.7	40.6	857.3	NA	35.6	288.2	83.8	2,332.8	2.6	28.3	50.4	8.4	176.9	728.1	5.0	12.0
1983	5,680.6	566.0	51.0	940.3	NA	34.9	320.0	50.3	2,602.2	1.5	32.0	43.4	6.4	203.8	798.8	4.7	25.4
1984	6,308.0	607.4	105.8	954.6	NA	43.6	348.4	51.9	2,934.1	.2	32.2	56.3	3.1	216.6	935.6	4.6	13.6
1985	7,257.9	652.8	81.2	1,061.1	NA	69.6	451.7	65.2	3,440.0	.2	33.1	57.0	3.4	251.0	1,078.7	5.4	7.6
1986	7,430.9	620.7	70.3	1,206.2	NA	74.0	420.5	70.8	3,536.0	.1	40.9	44.3	3.7	270.3	1,055.8	3.8	13.6
1987	8,567.3	674.7	88.8	1,278.5	NA	280.8	475.1	74.3	4,195.3	.1	39.4	53.3	8.3	309.8	1,069.5	3.9	15.3
1988	9,136.2	741.7	81.4	1,377.4	NA	255.6	536.2	66.2	4,486.2	**	41.6	48.5	8.0	363.7	1,102.0	3.6	24.2
1989	10,074.6	721.7	74.0	1,486.4	NA	269.6	565.3	85.8	4,916.3	.0	56.2	65.3	6.5	461.9	1,336.2	4.3	25.1
1990	10,443.1	762.1	110.4	1,342.2	NA	260.1	556.1	93.6	5,198.4	.1	60.5	47.4	8.6	511.3	1,445.1	4.6	42.6
1991	11,831.4	867.5	121.9	1,539.6	NA	354.1	661.8	115.9	5,765.2	**	82.8	31.9	5.8	592.9	1,642.3	5.4	44.1
1992	12,739.5	941.9	129.2	1,509.7	NA	402.3	705.3	150.0	6,210.1	.2	79.7	27.6	9.2	679.8	1,830.1	5.9	58.3
1993	12,724.7	940.5	109.8	1,833.9	NA	156.4	716.2	152.7	6,023.1	.4	77.7	11.5	6.6	737.1	1,858.4	4.8	95.6

See explanatory information, if any, and SOURCE at end of table.

35

Table 5. Federal obligations for science and engineering to universities and colleges, by type of activity and agency: fiscal years 1963-93

[Dollars in millions]

Page 2 of 5

Fiscal year	Total	USDA	Com	DoD	OEO	Ed	DOE [1]	EPA	HHS	HUD	Int	AID	Labor	NASA	NSF	NRC	DOT
	Research and development (R&D)																
1963	829.5	40.6	1.5	218.0	NA	NA	68.3	NA	332.9	NA	3.8	NA	NA	59.8	104.6	NA	NA
1964	975.6	47.5	1.1	258.1	NA	NA	70.5	NA	309.2	NA	5.0	NA	NA	78.2	115.8	NA	NA
1965	1,095.0	59.1	2.1	267.9	NA	NA	74.8	NA	441.9	NA	9.5	NA	NA	100.6	139.2	NA	NA
1966	1,252.1	62.9	2.1	278.0	NA	NA	83.2	NA	507.3	NA	18.7	NA	NA	107.4	192.5	NA	NA
1967	1,301.2	64.0	3.4	264.1	NA	NA	89.7	NA	577.0	NA	23.9	NA	NA	109.0	170.2	NA	NA
1968	1,398.3	62.2	6.7	243.1	12.5	NA	101.8	NA	619.1	1.0	27.8	NA	6.6	126.1	187.7	NA	3.7
1969	1,474.7	63.6	1.7	278.7	9.3	NA	103.1	NA	667.1	1.0	23.5	3.9	9.1	122.3	191.5	NA	NA
1970	1,446.6	67.4	3.2	265.5	18.9	NA	101.4	NA	614.9	.5	27.1	5.5	3.5	127.4	201.2	NA	10.1
1971	1,551.4	74.8	6.9	249.0	16.4	NA	95.9	17.0	695.7	.7	21.3	17.1	3.3	128.5	216.9	NA	8.0
1972	1,853.1	88.6	23.6	243.9	8.3	NA	86.9	17.7	879.3	1.5	23.0	13.5	7.3	112.4	334.7	NA	12.4
1973	1,870.7	93.8	24.9	232.9	8.7	NA	85.2	18.6	903.8	.9	22.2	8.4	5.0	102.6	348.5	NA	15.2
1974	2,085.2	96.7	26.6	184.4	3.4	NA	94.6	24.1	1,129.0	.6	22.2	18.4	5.6	92.0	376.1	NA	11.5
1975	2,246.2	110.5	22.2	190.5	NA	NA	119.2	33.8	1,205.3	2.3	27.2	8.3	4.0	100.2	404.6	.0	18.1
1976	2,431.0	124.2	29.0	211.9	NA	NA	138.1	29.3	1,296.2	1.4	25.7	10.7	3.0	106.8	436.6	3.2	14.9
1977	2,803.0	142.2	32.2	267.3	NA	NA	187.2	45.0	1,452.1	4.3	27.4	20.2	7.2	113.7	491.0	3.8	9.6
1978	3,388.4	175.3	35.0	452.3	NA	NA	251.1	53.8	1,657.6	10.5	34.3	24.9	12.6	124.7	531.5	8.4	16.4
1979	3,874.4	193.8	46.5	528.7	NA	NA	256.4	61.1	1,966.5	4.0	35.3	28.0	11.1	137.2	587.8	6.5	11.4
1980	4,160.5	211.8	50.4	555.9	NA	48.0	279.6	76.9	2,025.6	4.3	38.8	38.6	10.3	161.3	633.9	6.1	19.1
1981	4,410.9	241.4	51.1	700.5	NA	56.1	281.8	64.2	2,112.8	3.0	30.2	31.3	12.8	173.9	616.8	7.0	27.8
1982	4,554.5	256.5	39.7	813.7	NA	35.6	265.2	78.1	2,110.6	.5	21.5	50.4	8.4	167.7	689.8	5.0	11.7
1983	5,024.3	273.9	50.1	913.4	NA	34.9	296.6	45.3	2,360.3	1.1	20.8	43.4	6.4	189.4	759.1	4.7	25.1
1984	5,448.8	273.0	75.6	827.8	NA	43.6	317.1	47.3	2,681.4	.2	32.2	56.3	3.1	203.8	869.6	4.6	13.2
1985	6,246.2	300.4	79.7	908.9	NA	69.6	373.1	61.9	3,098.6	.2	32.9	57.0	3.4	237.3	1,011.1	4.9	7.2
1986	6,456.7	290.1	68.3	1,055.0	NA	72.2	346.9	67.9	3,212.1	.1	40.9	44.3	3.7	254.0	983.9	3.8	13.3
1987	7,241.0	296.0	87.6	1,098.9	NA	85.2	371.6	67.1	3,835.3	.1	39.4	53.3	8.3	293.6	987.5	3.9	13.2
1988	7,719.2	321.3	75.8	1,194.2	NA	69.6	407.6	64.1	4,128.3	**	39.1	48.5	8.0	339.5	998.3	3.6	21.3
1989	8,522.6	336.0	66.0	1,220.6	NA	68.6	448.7	77.5	4,512.0	.0	52.8	65.3	6.5	435.7	1,206.6	4.3	21.9
1990	9,005.8	349.1	97.3	NA	NA	71.1	496.8	87.1	4,774.5	.1	57.8	47.4	8.6	470.7	1,304.6	4.6	39.2
1991	10,027.3	408.8	61.9	NA	NA	94.5	613.7	104.3	5,301.2	**	70.2	31.9	5.8	533.7	1,438.6	5.4	33.9
1992	10,859.2	465.2	66.9	NA	NA	104.6	632.2	135.4	5,784.2	.2	67.6	27.6	9.0	605.6	1,604.1	5.9	36.4
1993	10,940.1	462.5	58.4	NA	NA	94.8	582.1	142.6	5,610.3	.4	69.8	11.5	6.2	631.1	1,605.9	4.8	72.7
	DoD research only [2]																
1990	NA	NA	NA	720.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1991	NA	NA	NA	840.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1992	NA	NA	NA	838.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1993	NA	NA	NA	1,130.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DoD development only [2]																
1990	NA	NA	NA	476.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1991	NA	NA	NA	482.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1992	NA	NA	NA	475.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1993	NA	NA	NA	456.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table.

36

Table 5. Federal obligations for science and engineering to universities and colleges, by type of activity and agency: fiscal years 1963-93

[Dollars in millions]

Page 3 of 5

Fiscal year	Total	USDA	Com	DoD	OEO	Ed	DOE [1]	EPA	HHS	HUD	Int	AID	Labor	NASA	NSF	NRC	DOT
	R&D plant																
1963	105.9	.0	.0	.0	NA	NA	2.6	NA	39.2	NA	0.1	NA	NA	13.4	50.6	NA	NA
1964	100.8	.0	.0	.0	NA	NA	4.0	NA	39.9	NA	.0	NA	NA	9.1	47.8	NA	NA
1965	126.2	3.2	.0	.0	NA	NA	3.8	NA	54.8	NA	**	NA	NA	8.4	56.0	NA	NA
1966	114.8	2.0	.0	.0	NA	NA	7.4	NA	48.5	NA	.2	NA	NA	7.4	49.3	NA	NA
1967	111.3	2.0	0.3	.0	NA	NA	13.8	NA	38.1	NA	.0	NA	NA	5.0	52.1	NA	NA
1968	96.1	1.9	.2	.0	.0	NA	11.9	NA	36.9	.0	.0	NA	.0	.0	45.3	NA	.0
1969	54.5	1.2	.0	.0	.0	NA	11.4	NA	20.5	.0	**	.0	.0	.0	21.4	NA	NA
1970	44.8	1.1	**	.0	.0	NA	7.1	NA	20.0	.0	.0	.0	.0	.0	16.5	NA	.0
1971	29.9	.0	.0	.0	.0	NA	4.8	.0	15.2	.0	.0	.0	.0	.2	9.7	NA	.0
1972	36.9	.0	.0	.0	.0	NA	4.1	.0	22.2	.0	.0	.0	.0	.6	10.0	NA	.0
1973	43.3	.0	.3	.0	.0	NA	5.6	.0	26.7	.0	.2	.0	.0	3.0	7.4	NA	.0
1974	29.0	.0	.0	.0	.0	NA	4.2	.0	14.5	.0	.0	.0	.0	.1	10.2	NA	.0
1975	44.8	.0	.0	.0	NA	NA	4.2	.0	22.9	.0	.0	.0	.0	.1	17.6	.0	.0
1976	23.9	.0	1.0	.0	NA	NA	5.6	.0	11.4	.0	.0	.0	.0	.1	5.9	.0	.0
1977	36.5	.0	.0	.0	NA	NA	17.5	.0	11.1	.0	.0	.0	.0	**	7.3	.0	0.5
1978	34.3	.0	.0	.0	NA	NA	13.4	**	9.9	.0	.0	.0	.0	.0	11.0	.0	**
1979	32.1	.0	.0	.0	NA	NA	9.1	.0	7.5	.0	.0	0.5	.0	.2	14.7	.0	.0
1980	37.8	.0	.0	.0	NA	.0	20.6	.0	4.4	.0	.0	.0	.0	.2	12.6	.0	.0
1981	27.7	.0	.0	1.1	NA	.0	19.6	.0	2.0	.0	.0	.0	.0	.1	4.9	.0	.0
1982	31.2	.0	.0	.5	NA	.0	18.8	1.4	5.4	.0	.0	.0	.0	.2	4.9	.0	.0
1983	37.5	9.6	.0	.0	NA	.0	17.2	.1	1.5	.0	.0	.0	.0	1.5	7.7	.0	.0
1984	49.8	9.6	.0	.0	NA	.0	29.5	.1	.7	.0	.0	.0	.0	.3	9.7	.0	.0
1985	113.9	9.6	.0	**	NA	.0	77.7	.1	11.4	.0	.0	.0	.0	.2	14.9	.0	.0
1986	105.8	9.1	1.2	.0	NA	1.8	73.0	.0	4.2	.0	.0	.0	.0	.4	16.0	.0	.0
1987	229.9	65.4	.1	.0	NA	49.2	102.9	.0	4.2	.0	.0	.0	.0	.6	7.4	.0	.0
1988	202.9	68.0	.0	.0	NA	1.3	127.7	.0	.0	.0	.0	.0	.0	.6	5.4	.0	.0
1989	237.0	31.1	1.2	57.9	NA	1.3	115.5	.0	22.0	.0	.0	.0	.0	1.2	6.7	.0	.0
1990	124.8	45.1	.1	.0	NA	.0	57.2	.0	13.7	.0	.0	.0	.0	1.3	7.5	.0	.0
1991	151.8	58.3	.3	14.7	NA	2.1	41.4	.0	25.5	.0	.0	.0	.0	.8	8.8	.0	.0
1992	204.7	58.3	.2	.0	NA	.4	63.7	.0	17.2	.0	.0	.0	.0	1.1	63.8	.0	.0
1993	259.4	55.1	.4	.0	NA	.0	120.2	.0	10.6	.0	.0	.0	.0	9.9	63.3	.0	.0
	Facilities for instruction in S&E																
1971[3]	28.7	0.3	.0	.0	.0	NA	2.3	.0	13.9	.0	0.1	.0	.0	.0	12.1	NA	.0
1972	26.3	.5	.0	.0	.0	NA	1.9	.0	20.9	.0	.0	.0	.0	.0	3.0	NA	.0
1973	13.4	.0	.0	.0	.0	NA	2.3	.0	9.4	.0	.1	.0	.0	.0	1.6	NA	.0
1974	3.5	.0	.0	.0	.0	NA	.0	.0	.4	.0	**	.0	.0	.0	3.1	NA	.0
1975	5.0	.0	0.1	.0	NA	NA	.0	.0	4.9	.0	.0	.0	.0	.0	**	.0	.0
1976	3.2	.0	.3	.0	NA	NA	.0	.0	.0	.0	.0	.0	.0	.0	3.0	.0	.0
1977	3.3	.0	.0	.0	NA	NA	.4	.0	.0	.0	.0	.0	.0	.0	2.9	.0	.0
1978	4.9	.0	.0	.0	NA	NA	1.3	.0	.0	.0	**	.0	.0	.0	3.5	.0	.0
1979	6.7	.0	.0	.0	NA	NA	3.5	.0	.0	.0	.0	.0	.0	.0	3.2	.0	.0
1980	3.8	.0	.0	.0	NA	.0	.9	0.1	.0	.0	.0	.0	.0	.0	2.8	.0	.0
1981	4.6	.0	.0	0.2	NA	.0	1.1	**	.0	.0	.0	.0	.0	.0	3.2	.0	.0
1982	.8	.0	.0	**	NA	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1983	2.5	.0	.0	**	NA	.0	2.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
1984	1.9	.0	1.6	.3	NA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1985	4.9	.0	.0	.0	NA	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	0.1	.0
1986	5.0	.0	.0	.0	NA	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	.0	.0
1987	13.7	.0	.0	.0	NA	5.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	.0	.0
1988	13.3	.0	2.5	.0	NA	.0	.0	.0	.0	.0	.4	.0	.0	.0	10.4	.0	.0
1989	16.9	.0	1.6	.0	NA	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.3	.0	.0
1990	19.2	.0	4.5	.0	NA	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.7	.0	.0
1991	32.8	.0	4.7	.1	NA	.0	.0	.0	.0	.0	.0	.0	.0	.0	21.8	.0	6.2
1992	38.5	.0	7.0	.0	NA	.0	1.3	.0	.0	.0	.0	.0	.0	.0	21.2	.0	9.0
1993	32.2	.0	4.0	.0	NA	.0	.0	.0	.0	.0	.0	.0	.0	.0	21.1	.0	7.1

See explanatory information, if any, and SOURCE at end of table.

37

Table 5. Federal obligations for science and engineering to universities and colleges, by type of activity and agency: fiscal years 1963-93

[Dollars in millions]

Page 4 of 5

Fiscal year	Total	USDA	Com	DoD	OEO	Ed	DOE[1]	EPA	HHS	HUD	Int	AID	Labor	NASA	NSF	NRC	DOT
	Fellowships, traineeships, and training grants																
1966[3]	365.6	NA	.0	NA	NA	NA	3.2	NA	289.9	NA	.0	NA	NA	25.0	47.5	NA	NA
1967	447.2	NA	.0	NA	NA	NA	3.7	NA	379.1	NA	.0	NA	NA	15.0	49.4	NA	NA
1968	440.9	NA	.0	NA	.0	NA	3.6	NA	387.0	NA	.0	NA	.0	.9	49.4	NA	.0
1969	436.3	NA	.0	NA	.0	NA	5.5	NA	375.7	NA	.0	NA	.0	1.3	53.8	NA	NA
1970	429.4	NA	.0	NA	.0	NA	5.0	NA	369.6	NA	.0	NA	.0	2.1	52.7	NA	.0
1971	421.0	.0	**	.0	.0	NA	2.6	10.1	361.4	.0	**	.0	0.6	1.0	42.3	NA	2.8
1972	387.9	.0	0.4	.0	.0	NA	2.0	5.6	346.6	.0	.0	.0	.0	1.1	28.8	NA	3.5
1973	287.2	.0	.6	.0	.0	NA	2.3	9.2	256.8	.0	.0	.0	.0	1.3	16.4	NA	.7
1974	326.6	.0	**	.0	0.7	NA	.5	6.8	301.5	.0	.0	.0	.0	1.2	14.4	NA	1.3
1975	201.3	.0	**	.0	NA	NA	.7	5.0	181.7	.0	.0	.0	.0	1.3	9.7	.0	2.7
1976	174.9	.0	.0	.0	NA	NA	.1	3.6	155.6	.0	.0	.0	.0	1.3	13.4	**	.8
1977	184.7	.0	.0	.0	NA	NA	.2	1.3	165.9	.0	.0	.0	.0	1.4	14.8	0.1	.8
1978	205.9	.0	.0	.0	NA	NA	.7	3.6	184.2	.0	3.2	0.6	.0	1.3	11.7	**	.6
1979	204.9	.0	.0	.0	NA	NA	1.9	4.5	182.3	.0	.3	.0	.0	1.8	14.1	.0	.0
1980	210.1	.0	.0	.0	NA	.0	.0	4.5	187.6	.0	1.4	.0	.0	2.8	13.8	.0	.0
1981	205.4	.0	.0	.0	NA	.0	.0	2.4	183.5	.0	.9	.0	.0	3.7	14.8	.1	.0
1982	176.6	.0	.0	.0	NA	.0	.3	2.5	151.9	.0	.0	.0	.0	4.2	17.5	.0	.4
1983	189.6	0.2	.2	0.7	NA	.0	.2	2.6	164.0	.0	.0	.0	.0	5.2	16.2	.0	.3
1984	194.9	.2	.1	.0	NA	.0	.6	1.8	164.6	.0	.0	.0	.0	5.3	21.8	.0	.4
1985	253.1	7.0	.1	.8	NA	.0	.4	2.1	210.9	.0	.0	.0	.0	5.6	25.8	.0	.4
1986	246.2	4.7	.0	.5	NA	.0	.5	2.8	204.3	.0	.0	.0	.0	7.9	25.2	.0	.2
1987	290.9	4.7	.6	2.3	NA	11.8	.6	1.8	232.5	.0	.0	.0	.0	8.7	27.7	.0	.2
1988	309.3	4.6	2.6	1.5	NA	13.5	.7	2.0	239.3	.0	.0	.0	**	15.8	29.2	.0	.0
1989	340.5	4.6	1.2	.1	NA	22.9	.9	8.3	256.2	.0	.0	.0	**	13.0	33.0	.0	.2
1990	393.8	7.8	.7	.1	NA	28.5	1.6	3.5	288.9	.0	**	.0	.0	21.7	41.0	.0	.1
1991	469.3	10.9	3.9	1.3	NA	53.9	6.7	8.0	313.2	.0	.0	.0	.0	36.3	34.5	.0	.6
1992	509.8	10.5	4.0	2.7	NA	63.8	8.1	10.6	320.3	.0	.0	.0	.1	40.4	46.1	.0	3.0
1993	524.8	10.5	2.1	2.2	NA	57.7	13.8	8.1	335.0	.0	.0	.0	.4	42.1	47.1	.0	5.9
	General support for S&E																
1971[3]	99.7	.0	0.2	.0	.0	NA	.0	.0	40.2	.0	1.1	.0	1.2	.0	56.9	NA	.0
1972	83.3	.0	1.5	.0	.0	NA	.0	.0	40.7	.0	1.2	5.2	.0	.0	34.7	NA	.0
1973	39.0	.0	.0	.0	.0	NA	.0	.0	20.2	.0	1.3	2.3	.9	.0	14.2	NA	.0
1974	87.0	.0	.5	.0	.0	NA	.0	.0	64.2	.0	1.6	1.5	1.4	.0	17.8	NA	.0
1975	46.4	.0	1.8	.0	NA	NA	.0	.0	37.3	.0	1.6	4.2	1.5	.0	.0	.0	.0
1976	74.5	.0	4.4	.0	NA	NA	.0	.0	41.8	.0	2.4	2.8	1.5	.0	21.6	.0	.0
1977	75.9	.0	.0	.0	NA	NA	2.5	.0	42.0	.0	1.8	4.1	.0	.0	24.8	0.7	.0
1978	74.4	.0	.0	.0	NA	NA	.3	.0	45.0	.0	5.0	.0	.0	.0	23.8	.0	0.3
1979	92.5	4.7	.0	.0	NA	NA	**	1.3	52.8	.0	4.4	.0	.0	.0	29.3	.0	.0
1980	91.5	.0	.0	.0	NA	.0	5.6	.0	60.1	.0	2.3	.0	.0	.0	23.2	.4	.0
1981	92.7	.0	.0	7.1	NA	.0	.0	.9	60.0	.0	3.1	.0	.0	.0	21.0	.0	.7
1982	80.1	.0	.0	4.8	NA	.0	**	1.7	61.3	2.0	6.8	.0	.0	.0	3.5	.0	.0
1983	94.8	.0	.0	3.2	NA	**	3.7	1.6	73.6	.4	11.2	.0	.0	.0	1.2	.0	.0
1984	112.6	.0	20.3	3.7	NA	.0	.6	2.7	83.9	.0	.0	.0	.0	.0	1.5	.0	.0
1985	119.2	.0	**	1.8	NA	.0	.4	1.1	112.5	.0	.3	.0	.0	.0	3.0	.0	.0
1986	111.1	.0	**	2.1	NA	.0	.0	.0	106.1	.0	.0	.0	.0	.0	2.8	.0	.0
1987	236.9	.0	.0	5.9	NA	108.1	.0	4.3	113.1	.0	.0	.0	.0	.0	5.5	.0	.0
1988	171.8	.0	.0	2.5	NA	54.8	.2	.0	109.0	.0	2.1	.0	.0	.0	3.4	.0	.0
1989	197.7	.0	.0	1.8	NA	80.2	.0	.0	109.5	.0	3.3	.0	.0	.0	2.9	.0	.0
1990	143.9	.0	1.0	.0	NA	30.1	.5	3.1	102.2	.0	2.7	.0	.0	.0	4.3	.0	.0
1991	192.8	.0	29.4	.0	NA	32.1	.2	3.5	108.7	.0	12.5	.0	.0	.0	6.4	.0	.0
1992	159.2	.0	28.2	.0	NA	36.5	.0	4.0	69.3	.0	12.1	.0	.0	.0	7.7	.0	1.5
1993	66.1	**	15.0	**	NA	4.0	.0	1.9	26.6	.0	7.8	.0	.0	.0	9.8	.0	.8

See explanatory information, if any, and SOURCE at end of table.

38

Table 5. Federal obligations for science and engineering to universities and colleges, by type of activity and agency: fiscal years 1963-93

[Dollars in millions]

Page 5 of 5

Fiscal year	Total	USDA	Com	DoD	OEO	Ed	DOE [1]	EPA	HHS	HUD	Int	AID	Labor	NASA	NSF	NRC	DOT
	Other S&E activities																
1963	393.1	63.4	0.3	.0	NA	NA	5.3	NA	208.9	NA	**	NA	NA	14.1	101.1	NA	NA
1964	452.2	67.5	.5	.0	NA	NA	5.4	NA	244.6	NA	**	NA	NA	20.2	113.9	NA	NA
1965	595.0	73.3	.6	.0	NA	NA	5.9	NA	359.8	NA	**	NA	NA	25.4	130.1	NA	NA
1966	431.0	76.1	.7	.0	NA	NA	3.1	NA	263.4	NA	0.2	NA	NA	2.3	85.2	NA	NA
1967	464.0	78.8	.7	.0	NA	NA	2.5	NA	256.7	NA	**	NA	NA	2.4	122.8	NA	NA
1968	414.5	80.1	1.0	.0	.0	NA	2.5	NA	186.4	0.7	.4	NA	.0	2.8	140.5	NA	**
1969	395.9	91.1	.5	**	.0	NA	1.0	NA	198.4	.1	.9	.0	.0	3.7	100.2	NA	NA
1970	266.8	113.5	.7	**	.0	NA	1.0	NA	32.2	.0	.6	.0	.0	1.7	117.0	NA	.0
1971	212.4	139.5	.5	.0	.0	NA	.3	.0	15.9	.0	.0	2.0	0.1	4.2	49.9	NA	.0
1972	211.6	149.5	.6	.0	.0	NA	.5	.0	8.6	.0	.0	.0	.0	4.9	47.5	NA	.0
1973	210.8	163.0	2.7	.0	.0	NA	.8	.0	8.0	.0	.0	.0	.4	4.5	31.4	NA	.0
1974	205.7	164.0	2.2	.0	.0	NA	.2	.0	5.7	.0	.0	.0	.0	5.7	27.9	NA	.0
1975	262.3	180.2	1.7	.0	NA	NA	.1	.0	15.3	.0	.0	.0	**	6.4	58.6	**	.0
1976	252.2	204.4	3.6	.0	NA	NA	.3	.0	17.1	.0	.1	.0	.0	10.7	16.0	.0	.0
1977	248.0	201.0	.3	.0	NA	NA	.3	.0	15.4	.0	.3	.0	.0	5.9	24.9	.0	.0
1978	254.5	216.4	.9	.0	NA	NA	.3	.0	4.1	.0	.0	2.6	.0	4.4	25.6	.0	0.2
1979	263.0	224.0	1.5	.0	NA	NA	3.0	0.1	6.9	.0	.0	.0	.0	4.7	22.4	0.4	.0
1980	287.2	232.3	1.2	.0	NA	.0	2.8	.0	3.4	.0	.0	.0	.0	6.9	40.2	.5	.0
1981	321.5	250.0	.7	17.1	NA	.0	7.9	**	5.3	.0	**	.0	.0	5.7	34.4	.4	**
1982	336.4	273.2	.8	38.2	NA	.0	3.1	.2	3.6	**	.0	.0	.0	4.8	12.4	.0	.0
1983	331.8	282.3	.6	22.9	NA	.0	**	.5	2.8	**	**	.0	.0	7.8	14.8	.0	.0
1984	500.1	324.7	8.2	122.8	NA	.0	.7	**	3.5	.0	.0	.0	**	7.1	33.0	.0	.0
1985	520.5	335.7	1.4	149.5	NA	.0	.1	.0	6.5	.0	.0	.0	**	7.9	19.0	.3	**
1986	506.0	316.8	.8	148.5	NA	.0	**	.0	9.1	.0	.0	.0	.0	7.9	22.9	.0	**
1987	554.8	308.6	.6	171.4	NA	21.4	.0	1.1	10.3	.0	.0	.0	.0	6.9	32.7	.0	1.8
1988	719.6	347.9	.5	179.3	NA	116.4	.0	.0	9.6	.0	.0	.0	.0	7.8	55.3	.0	2.9
1989	759.9	349.9	3.8	206.1	NA	96.6	.1	.0	16.5	.0	.0	.0	.0	12.0	71.8	.0	3.1
1990	755.5	360.0	6.8	145.2	NA	130.4	.0	.0	19.2	.0	.0	.0	.0	17.5	73.0	.0	3.3
1991	957.4	389.4	21.8	200.2	NA	171.6	.0	.1	16.6	.0	.1	.0	.0	22.1	132.1	.0	3.5
1992	968.0	408.0	22.9	192.6	NA	197.0	.0	.1	19.2	.0	.0	.0	.0	32.7	67.2	.0	8.3
1993	902.0	412.5	29.9	244.9	NA	.0	.0	.1	40.5	.0	.0	.0	.0	54.0	111.2	.0	9.0

[1] Data shown for fiscal years 1963-74 and fiscal years 1975-77 represent obligations of the Atomic Energy Commission and the Energy Research and Development Administration, respectively.

[2] Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at university-administered laboratories that are separate from the academic departments.

[3] Data collected before this year are not separately identified but are included under "Other S&E activities."

NOTE: Some trend shifts are related to institutional reclassification.As of 1978 two laboratories that were formerly considered academically administered federally funded research and development centers became part of their respective institutions: Applied Physics Laboratory (Johns Hopkins University) and Applied Research Laboratory (Pennsylvania State University). Data for these laboratories are thus included in the academic figures for 1978-93 but are excluded for prior years. Similarly, Draper Laboratories separated from the Massachusetts Institute of Technology as of fiscal year 1974 to become an independent nonprofit institution; academic data shown for 1963-73 include Draper Laboratories, whereas those for 1974-93 do not.

KEY:
AID = Agency for International Development
Com = Department of Commerce
DoD = Department of Defense
DOE = Department of Energy
DOT = Department of Transportation
Ed = Department of Education
EPA = Environmental Protection Agency
HHS = Department of Health and Human Services
HUD = Department of Housing and Urban Development
Int = Department of the Interior
NA = Not available
NASA = National Aeronautics and Space Administration
NRC = Nuclear Regulatory Commission
NSF = National Science Foundation
OEO = Office of Economic Opportunity
USDA = U.S. Department of Agriculture
** = Amount less than $50,000

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1993

39

Table 6. Federal obligations for science and engineering to universities and colleges, by geographic division and State: fiscal years 1986-93

[Dollars in thousands]

Page 1 of 2

Geographic division and State	1986	1987	1988	1989	1990	1991	1992	1993
United States, total	7,430,872	8,567,284	9,136,202	10,074,620	10,443,105	11,831,388	12,739,476	12,724,675
New England, total	837,310	925,630	960,239	1,050,489	1,080,855	1,185,425	1,274,966	1,297,735
Connecticut	163,251	199,015	200,431	212,825	211,615	227,412	248,516	250,100
Maine	8,871	12,315	10,567	13,472	14,400	14,106	16,958	21,668
Massachusetts	555,293	596,293	613,375	695,041	703,406	770,251	832,153	854,337
New Hampshire	33,530	37,833	41,049	40,744	56,636	62,151	72,275	69,368
Rhode Island	51,674	50,654	52,935	54,066	58,013	66,939	66,474	61,632
Vermont	24,691	29,520	41,882	34,341	36,785	44,566	38,590	40,630
Middle Atlantic, total	1,253,758	1,418,321	1,570,367	1,629,812	1,704,065	1,942,085	2,062,451	2,070,291
New Jersey	96,498	112,397	125,296	137,552	154,612	174,224	188,861	220,654
New York	754,156	847,508	922,455	953,671	961,595	1,051,542	1,128,751	1,063,118
Pennsylvania	403,104	458,416	522,616	538,589	587,858	716,319	744,839	786,519
East North Central, total	995,572	1,156,505	1,161,320	1,297,920	1,364,643	1,556,662	1,699,299	1,705,766
Illinois	300,720	362,085	341,817	376,154	388,997	426,268	449,704	457,096
Indiana	113,506	133,903	129,396	152,837	159,502	184,149	213,601	206,961
Michigan	206,226	244,168	265,190	293,996	311,395	359,383	412,357	426,747
Ohio	208,549	228,665	235,827	264,657	280,503	332,042	348,949	349,018
Wisconsin	166,571	187,684	189,090	210,276	224,246	254,820	274,688	265,944
West North Central, total	430,196	501,410	538,402	607,347	638,037	758,620	800,453	761,185
Iowa	88,252	102,999	113,183	123,733	130,267	152,203	155,419	154,487
Kansas	42,798	48,352	50,579	53,263	59,613	77,885	78,183	74,904
Minnesota	116,243	138,470	143,521	181,606	162,469	203,235	217,916	198,574
Missouri	131,465	154,490	163,920	178,822	197,672	215,475	238,567	228,773
Nebraska	30,326	35,826	33,682	36,412	41,753	57,590	56,959	50,555
North Dakota	12,799	12,428	24,074	21,944	34,656	38,145	38,548	37,358
South Dakota	8,313	8,845	9,443	11,567	11,607	14,087	14,861	16,534
South Atlantic, total	1,327,174	1,565,950	1,737,599	1,886,134	1,905,168	2,207,763	2,349,525	2,382,540
Delaware	15,406	15,447	18,654	19,806	21,401	24,797	32,522	31,341
District of Columbia	59,129	79,830	90,064	83,179	92,097	109,611	102,867	124,045
Florida	136,917	170,524	209,243	224,658	207,885	254,896	280,770	277,287
Georgia	162,217	192,700	207,852	218,107	201,000	262,536	288,643	255,855
Maryland	550,710	619,947	687,951	727,184	743,143	806,276	824,649	862,167
North Carolina	226,589	266,111	290,524	331,683	353,603	408,787	457,755	445,878
South Carolina	43,041	61,337	56,703	66,206	59,214	77,243	81,824	72,275
Virginia	118,372	141,361	149,990	181,976	195,492	217,376	231,743	233,502
West Virginia	14,793	18,693	26,618	33,335	31,333	46,241	48,752	80,190
East South Central, total	290,715	380,655	383,125	396,789	438,242	497,456	527,243	528,684
Alabama	108,225	142,550	140,658	146,708	154,052	187,193	194,653	198,278
Kentucky	40,296	44,161	46,023	52,185	58,015	62,736	73,224	77,019
Mississippi	35,564	64,114	56,130	55,340	62,282	62,751	65,489	71,937
Tennessee	106,630	129,830	140,314	142,556	163,893	184,776	193,877	181,450
West South Central, total	513,224	579,570	634,917	719,335	724,989	835,471	937,257	937,049
Arkansas	23,173	26,933	27,309	31,966	36,276	45,598	48,762	50,810
Louisiana	65,803	75,195	90,415	131,872	94,307	120,420	132,632	124,343
Oklahoma	41,525	47,680	49,959	51,175	51,831	57,937	78,338	65,831
Texas	382,723	429,762	467,234	504,322	542,575	611,516	677,525	696,065

See explanatory information, if any, and SOURCE at end of table.

Table 6. Federal obligations for science and engineering to universities and colleges, by geographic division and State: fiscal years 1986-93

[Dollars in thousands]

Page 2 of 2

Geographic division and State	1986	1987	1988	1989	1990	1991	1992	1993
Mountain, total	407,615	462,983	489,797	569,107	598,873	706,461	753,739	751,241
Arizona	72,346	97,064	111,731	125,424	128,532	143,136	160,028	159,687
Colorado	118,826	146,076	162,548	166,624	[illegible]	218,172	245,589	230,680
Idaho	8,143	10,456	13,007	18,473	[illegible]	26,653	20,400	21,557
Montana	11,338	14,004	13,435	15,688	19,210	23,923	28,948	30,352
Nevada	12,347	18,470	15,578	18,066	24,691	25,221	30,897	29,709
New Mexico	89,553	68,777	68,546	85,426	78,270	100,279	102,536	124,873
Utah	86,175	96,528	93,655	126,891	134,978	154,809	148,954	133,828
Wyoming	8,887	11,608	11,297	12,515	11,954	14,268	16,387	20,555
Pacific, total	1,347,666	1,542,272	1,626,363	1,878,974	1,931,058	2,094,372	2,282,661	2,240,748
Alaska	16,450	17,750	18,595	18,866	26,969	29,276	34,064	46,562
California	1,029,514	1,153,609	1,209,732	1,396,648	1,446,081	1,540,601	1,701,675	1,638,009
Hawaii	33,672	44,390	44,992	67,163	55,865	63,538	64,382	67,140
Oregon	87,673	121,304	115,135	139,654	124,739	149,258	157,190	159,513
Washington	180,357	205,219	237,909	256,643	277,404	311,699	325,350	329,524
Outlying Areas, total	27,642	33,988	34,073	38,713	57,175	47,073	51,882	49,436
Guam	1,918	3,490	2,440	2,669	3,091	3,262	2,878	3,334
Puerto Rico	22,237	26,535	27,087	31,638	48,968	38,504	43,412	39,650
American Samoa	563	662	665	660	1,223	1,291	1,223	1,233
Virgin Islands	1,927	1,927	2,098	2,083	2,058	2,083	2,405	2,972
Trust Territory Pacific Islands	997	1,374	1,783	1,663	1,835	1,933	1,964	2,247

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1993

41

Table 7. Federal obligations for science and engineering (S&E) to universities and colleges, by agency and type of activity: fiscal year 1993

[Dollars in thousands]

Page 1 of 2

Agency	Total, academic S&E	Research and development	R&D plant	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Total, all agencies	12,724,675	10,940,124	259,421	32,228	524,786	66,087	902,029
Department of Agriculture	940,548	462,464	55,058	0	10,469	10	412,547
Department of Commerce	109,822	58,434	377	4,020	2,070	15,047	29,874
Department of Defense	1,833,939	NA	0	0	2,158	17	244,900
Army	297,798	NA	0	0	0	0	27,851
Navy	1,046,217	NA	0	0	1,354	17	195,030
Air Force	363,600	NA	0	0	0	0	5,529
Other Department of Defense	126,324	NA	0	0	804	0	16,490
Department of Defense, research[1]	NA	1,129,998	NA	NA	NA	NA	NA
Army	NA	234,020	NA	NA	NA	NA	NA
Navy	NA	502,016	NA	NA	NA	NA	NA
Air Force	NA	313,802	NA	NA	NA	NA	NA
Other Department of Defense	NA	80,160	NA	NA	NA	NA	NA
Department of Defense, development[1]	NA	456,866	NA	NA	NA	NA	NA
Army	NA	35,927	NA	NA	NA	NA	NA
Navy	NA	347,800	NA	NA	NA	NA	NA
Air Force	NA	44,269	NA	NA	NA	NA	NA
Other Department of Defense	NA	28,870	NA	NA	NA	NA	NA
Department of Education	156,435	94,811	0	0	57,661	3,963	0
Department of Energy	716,160	582,110	120,237	0	13,813	0	0
Environmental Protection Agency	152,692	142,606	0	0	8,124	1,887	75
Department of Health & Human Services	6,023,063	5,610,296	10,622	0	335,017	26,641	40,487
Administration on Aging	6,643	4,554	0	0	2,089	0	0
Administration for Children & Families	57,074	57,074	0	0	0	0	0
Agency for Health Care Policy & Research	57,255	53,945	0	0	3,310	0	0
Agency for Toxic Substances & Disease Registry	443	43	0	0	0	400	0
Centers for Disease Control	43,932	43,932	0	0	0	0	0
Food and Drug Administration	11,594	8,043	264	0	1,287	0	2,000
Health Care Financing Administration	5,792	5,792	0	0	0	0	0
Health Resources and Services Administration	43,080	2,389	0	0	40,691	0	0
Indian Health Service	2,756	30	0	0	2,726	0	0
National Institutes of Health	5,788,054	5,428,054	10,358	0	284,914	26,241	38,487
Office of the Assistant Secretary for Health	665	665	0	0	0	0	0
Social Security Administration	532	532	0	0	0	0	0
Other Dept of Health & Human Services	5,243	5,243	0	0	0	0	0
Department of Housing & Urban Development	396	396	0	0	0	0	0
Department of Interior	77,685	69,846	0	0	0	7,839	0
Department of Labor	6,576	6,211	0	0	365	0	0
Department of Transportation	95,599	72,747	0	7,123	5,912	848	8,969

See explanatory information, if any, and SOURCE at end of table.

Table 7. Federal obligations for science and engineering (S&E) to universities and colleges, by agency and type of activity: fiscal year 1993

[Dollars in thousands]

Page 2 of 2

Agency	Total, academic S&E	Research and development	R&D plant	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Agency for International Development	11,466	11,466	0	0	0	0	0
National Aeronautics & Space Administration	737,123	631,139	9,871	0	42,116	0	53,997
National Science Foundation	1,858,374	1,605,937	63,256	21,085	47,081	9,835	111,180
Nuclear Regulatory Commission	4,797	4,797	0	0	0	0	0

[1] Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at university-administered laboratories that are separate from the academic departments.

KEY: NA = not available

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1993

43

Table 8. Federal obligations for science and engineering (S&E) to universities and colleges, by geographic division, State, and agency: fiscal year 1993

[Dollars in thousands]

Page 1 of 2

Geographic division and State	Total	USDA	Com	DoD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
United States, total	12,724,675	940,548	109,822	1,833,939	156,435	716,160	152,692	6,023,063	77,685	737,123	1,858,374	118,834
New England, total	1,297,735	52,857	19.738	205,046	9,902	107,374	16,564	601,477	3,544	68,038	207,436	5,759
Connecticut	250,100	6,547	5,379	10,635	2,228	23,283	1,764	178,156	101	1,824	20,017	166
Maine	21,668	8,298	4,623	348	837	1,420	1,544	823	380	175	3,120	100
Massachusetts	854,337	22,288	6,116	180,079	5,843	78,041	9,688	341,260	1,802	50,898	153,133	5,189
New Hampshire	69,368	4,798	943	3,551	428	1,569	1,310	35,630	289	11,423	9,308	119
Rhode Island	61,632	3,883	2,677	10,137	299	2,522	1,354	17,284	657	3,482	19,316	21
Vermont	40,630	7,043	0	296	267	539	904	28,324	315	236	2,542	164
Middle Atlantic, total	2,070,291	67,170	4,101	280,098	20,015	141,337	23,234	1,122,151	6,875	56,205	329,255	19,850
New Jersey	220,654	11,813	1,912	35,801	2,543	21,778	6,087	82,199	291	6,867	43,230	8,133
New York	1,063,118	29,393	1,704	67,995	5,689	83,813	14,054	633,843	1,950	27,543	192,789	4,345
Pennsylvania	786,519	25,964	485	176,302	11,783	35,746	3,093	406,109	4,634	21,795	93,236	7,372
East North Central, total	1,705,766	138,589	9,199	148,626	25,811	97,844	19,078	821,792	2,813	93,911	331,973	16,130
Illinois	457,096	23,930	2,260	36,086	9,802	23,521	775	218,698	455	12,392	125,812	3,365
Indiana	206,961	24,638	749	12,713	1,641	29,288	684	82,660	465	4,678	47,381	2,064
Michigan	426,747	41,602	838	27,340	5,719	16,097	8,568	208,586	507	40,338	73,146	4,006
Ohio	349,018	23,843	1,734	60,484	5,091	6,856	6,767	174,500	667	23,983	39,569	5,524
Wisconsin	265,944	24,576	3,618	12,003	3,558	22,082	2,284	137,348	719	12,520	46,065	1,171
West North Central, total	761,185	134,118	1,185	40,841	14,005	27,935	8,792	405,370	4,918	20,556	89,555	13,910
Iowa	154,487	27,778	647	5,515	2,789	6,958	1,837	80,327	429	7,125	14,501	6,581
Kansas	74,904	15,147	0	9,929	2,296	3,786	2,060	27,380	457	2,434	10,278	1,137
Minnesota	198,574	22,099	293	15,821	5,069	6,310	2,438	107,921	917	3,890	32,807	1,009
Missouri	228,773	25,372	245	6,617	3,109	4,435	276	164,591	2,039	4,850	17,133	106
Nebraska	50,555	16,335	0	1,308	235	1,016	432	20,053	265	1,099	9,893	119
North Dakota	37,358	18,898	0	1,353	440	5,409	1,600	3,270	268	260	1,012	4,840
South Dakota	16,534	8,489	0	298	59	21	149	1,828	543	898	4,131	118
South Atlantic, total	2,382,540	158,084	24,943	634,170	28,331	93,530	30,618	995,542	10,611	142,335	223,958	37,418
Delaware	31,341	5,657	1,649	5,452	2,490	1,193	559	3,131	126	1,408	9,149	527
District of Columbia	124,045	1,933	499	28,889	3,746	871	398	54,408	117	8,297	10,957	13,930
Florida	277,287	21,679	3,750	35,589	6,156	13,343	3,535	115,435	1,714	20,783	50,096	5,228
Georgia	255,855	28,896	1,746	50,665	3,349	30,935	5,116	102,280	263	13,846	16,049	2,708
Maryland	862,167	14,419	5,673	447,185	3,551	14,498	5,123	298,245	216	29,418	42,677	1,162
North Carolina	445,878	37,674	8,188	24,272	6,780	10,061	12,899	284,344	1,558	7,547	47,363	5,192
South Carolina	72,275	16,889	556	6,492	1,300	7,919	439	26,517	1,010	1,529	9,181	443
Virginia	233,502	21,251	2,799	24,657	749	7,518	2,049	102,299	3,191	25,358	35,554	8,077
West Virginia	80,190	9,684	83	10,969	210	7,192	3,500	8,883	2,416	34,169	2,933	151
East South Central, total	528,684	101,343	572	35,575	8,772	38,757	3,437	252,123	5,359	34,374	45,799	2,573
Alabama	198,278	25,025	358	16,410	3,051	12,848	1,514	95,744	1,876	25,882	14,714	856
Kentucky	77,019	23,332	56	1,412	1,146	5,408	776	35,014	240	906	8,365	364
Mississippi	71,937	29,448	43	6,295	2,210	7,347	427	12,594	1,728	2,050	9,631	164
Tennessee	181,450	23,538	115	11,458	2,365	13,154	720	108,771	1,515	5,536	13,089	1,189
West South Central, total	937,049	107,297	5,712	143,622	11,415	53,666	16,860	434,963	6,328	51,147	97,474	8,565
Arkansas	50,810	22,514	0	4,341	2,949	284	158	14,182	676	479	4,063	1,164
Louisiana	124,343	17,271	1,215	17,899	1,315	18,518	4,771	46,945	3,652	2,376	7,695	2,686
Oklahoma	65,831	16,876	1,511	5,287	914	6,626	1,321	15,702	327	7,720	8,777	770
Texas	696,065	50,636	2,986	116,095	6,237	28,238	10,610	358,134	1,673	40,572	76,939	3,945

See explanatory information, if any, and SOURCE at end of table.

44

Table 8. Federal obligations for science and engineering (S&E) to universities and colleges, by geographic division, State, and agency: fiscal year 1993

[Dollars in thousands]

Page 2 of 2

Geographic division and State	Total	USDA	Com	DoD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other [1]
Mountain, total	751,241	65,461	15,013	117,663	9,915	33,016	15,545	259,220	17,152	79,305	132,526	6,425
Arizona	159,687	9,282	251	14,534	2,998	4,840	2,171	59,353	2,466	24,573	38,148	1,071
Colorado	230,680	13,119	12,684	14,747	3,124	9,169	3,342	110,109	3,369	22,262	38,429	326
Idaho	21,557	10,618	32	492	455	572	663	2,005	2,399	311	3,747	263
Montana	30,352	9,526	0	929	804	936	487	3,910	1,049	1,122	11,468	121
Nevada	29,709	3,691	1,661	685	348	3,843	6,104	7,139	1,635	746	3,694	163
New Mexico	124,873	7,174	59	50,209	1,158	7,898	205	17,642	1,094	25,922	13,115	397
Utah	133,828	6,866	326	34,526	820	4,727	2,053	57,704	3,983	3,821	18,686	316
Wyoming	20,555	5,185	0	1,541	206	1,031	520	1,358	1,157	548	5,239	3,768
Pacific, total	2,240,748	95,891	28,639	226,381	27,806	122,675	15,353	1,115,234	19,682	190,265	390,766	8,056
Alaska	46,562	3,305	3,028	1,061	200	552	514	1,992	2,291	20,061	13,556	2
California	1,638,009	37,380	12,362	169,758	18,716	87,445	10,025	853,162	9,143	146,857	286,481	4,680
Hawaii	67,140	11,860	5,686	3,615	2,231	2,711	35	14,990	2,613	9,308	13,581	510
Oregon	159,513	21,178	2,441	13,460	5,647	15,075	3,398	63,282	3,585	3,835	26,929	683
Washington	329,524	22,168	5,122	38,487	1,012	16,892	1,381	181,808	2,050	10,204	48,219	2,181
Outlying Areas, total	49,436	19,738	720	1,917	463	26	211	15,191	403	987	9,632	148
Guam	3,334	2,199	0	33	0	0	0	766	201	0	135	0
Puerto Rico	39,650	12,253	720	1,884	463	26	211	13,366	101	987	9,497	142
American Samoa	1,233	1,233	0	0	0	0	0	0	0	0	0	0
Virgin Islands	2,972	1,952	0	0	0	0	0	913	101	0	0	6
Trust Territory Pacific Islands	2,247	2,101	0	0	0	0	0	146	0	0	0	0

[1] Includes Department of Transportation, Agency for International Development, Department of Housing and Urban Development, Department of Labor, and Nuclear Regulatory Commission

KEY:

Com = Department of Commerce
DoD = Department of Defense
DOE = Department of Energy
Ed = Department of Education
EPA = Environmental Protection Agency
HHS = Department of Health and Human Services
Int = Department of the Interior
NASA = National Aeronautics and Space Administration
NSF = National Science Foundation
USDA = U.S. Department of Agriculture

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1993

45

Table 9. Federal obligations for science and engineering (S&E) to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by type of activity: fiscal year 1993

[Dollars in thousands]

Page 1 of 2

Institution and ranking	Total academic S&E	Research and development	R&D plant	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
Total, all institutions	12,724,675	10,940,124	259,421	32,228	524,786	66,087	902,029
1 Johns Hopkins University	701,097	543,873	45	28	16,309	170	140,672
2 University of Washington	279,832	246,013	890	73	13,496	1,240	18,120
3 MA Inst of Technology	276,265	251,845	6,842	86	9,984	409	7,099
4 Stanford University	268,673	249,575	0	0	17,358	0	1,740
5 University of Michigan	233,908	214,612	634	238	12,172	332	5,920
6 U CA San Diego	217,412	204,063	311	0	8,603	2,525	1,910
7 Cornell University	216,602	174,226	16,535	53	8,229	2	17,557
8 U WI Madison	216,148	190,469	4,755	86	7,126	334	13,378
9 Pennsylvania State U	210,865	173,070	531	68	2,830	59	34,307
10 U CA Los Angeles	207,871	195,788	277	0	9,639	212	1,955
Total 1st 10 institutions	2,828,673	2,443,534	30,820	632	105,746	5,283	242,658
11 Columbia U City New York	205,791	194,910	1,983	0	7,230	339	1,329
12 University of PA	200,642	186,002	597	99	11,051	496	2,397
13 University of Minnesota	194,575	168,675	526	163	8,293	165	16,753
14 Harvard University	187,932	169,173	280	0	16,774	60	1,645
15 U CA San Francisco	187,598	175,388	110	0	11,273	301	526
16 Yale University	182,404	169,151	2,246	0	9,622	33	1,352
17 U CA Berkeley	162,396	133,232	373	40	10,830	137	17,784
18 University of Colorado	157,755	145,497	579	78	7,989	2,768	844
19 Duke University	148,467	136,839	705	91	6,375	427	2,030
20 U TX Austin	146,743	117,225	189	0	3,732	672	24,925
Total 1st 20 institutions	4,602,976	4,041,626	38,408	1,103	198,915	10,681	312,243
21 Washington University	144,275	133,210	84	15	9,764	22	1,180
22 University of Pittsburgh	142,562	136,780	105	0	3,511	0	2,166
23 U NC Chapel Hill	141,698	129,071	880	19	9,309	508	1,911
24 U Southern California	139,412	125,297	412	0	3,225	291	10,187
25 U IL Urbana Champaign	138,304	116,116	280	269	5,370	639	15,630
26 University of Rochester	131,252	98,935	23,790	0	6,186	35	2,306
27 University of Arizona	121,160	107,819	1,302	127	6,086	84	5,742
28 California Inst of Tech	117,911	87,702	24,412	202	4,763	186	646
29 University of Chicago	111,924	99,378	0	34	7,289	67	5,156
30 Boston University	107,389	102,642	302	145	4,244	13	43
Total 1st 30 institutions	5,898,863	5,178,576	89,975	1,914	258,662	12,526	357,210
31 U Alabama Birmingham	106,141	90,737	10,000	172	3,504	196	1,532
32 Ohio State University	104,657	84,121	212	43	1,498	4,255	14,528
33 Indiana University	99,726	81,374	13,009	98	3,569	90	1,586
34 Michigan State University	98,658	67,666	15,076	146	1,694	290	13,786
35 Case Western Reserve U	96,798	89,608	0	0	4,494	126	2,570
36 University of Florida	95,915	77,341	422	160	6,337	341	11,314
37 University of Iowa	93,405	87,875	30	14	4,985	237	264
38 U CA Davis	92,923	84,495	2,125	0	2,701	298	3,304
39 Baylor Col of Medicine	92,755	88,276	412	0	3,185	66	816
40 Northwestern University	90,920	82,636	1,185	1,916	3,664	56	1,463
Total 1st 40 institutions	6,870,761	6,012,705	132,446	4,463	294,290	18,481	408,373
41 Texas A&M University	90,042	65,174	1,044	24	1,497	1,090	21,213
42 Purdue University	89,899	74,920	307	52	1,380	131	13,109
43 Vanderbilt University	89,140	82,091	0	0	6,490	117	442
44 University of Virginia	86,929	79,221	129	0	4,643	53	2,883
45 U MD College Park	85,730	76,300	1,418	50	1,402	469	6,091
46 Rutgers the St U of NJ	83,492	70,059	2,629	119	2,377	827	7,481
47 University of Utah	82,458	77,407	52	0	1,723	37	3,239
48 New York University	82,332	77,694	141	61	3,873	32	531
49 Louisiana State U	81,598	58,197	10,000	56	2,820	1,892	8,632
50 Carnegie Mellon U	76,896	73,474	130	82	1,513	173	1,524
Total 1st 50 institutions	7,719,275	6,747,242	148,296	4,906	322,011	23,302	473,518

See explanatory information, if any, and SOURCE at end of table.

46

Table 9. Federal obligations for science and engineering (S&E) to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by type of activity: fiscal year 1993

[Dollars in thousands]

Page 2 of 2

Institution and ranking	Total academic S&E	Research and development	R&D plant	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
51 NC State U Raleigh	71,590	50,661	0	100	3,595	350	16,884
52 University of Miami	69,919	67,315	0	30	2,268	33	273
53 University of Georgia	68,180	51,903	2,046	4	747	269	13,211
54 Yeshiva University NY	67,942	64,627	0	0	3,315	0	0
55 Emory University	67,482	64,526	412	0	2,461	26	57
56 Woods Hole Oceangraphic	66,821	61,399	2,652	4	4	141	2,621
57 Princeton University	65,389	59,871	712	21	3,349	0	1,436
58 U TX SW Med Ctr Dallas	65,314	61,269	931	0	2,492	30	592
59 Oregon State University	65,003	53,999	2,879	167	1,172	215	6,571
60 U CA Irvine	64,050	61,567	263	40	1,930	153	97
Total 1st 60 institutions	8,390,965	7,344,379	158,191	5,272	343,344	24,519	515,260
61 SUNY at Stony Brook	62,504	58,590	55	51	1,421	410	1,977
62 University of Connecticut	61,392	42,992	10,000	0	1,269	1,851	5,280
63 University of New Mexico	60,999	55,827	20	0	2,713	163	2,276
64 University of Kentucky	60,649	46,594	0	56	2,071	473	11,455
65 U IL Chicago	58,450	55,202	45	0	1,320	358	1,525
66 Georgetown University	58,418	56,523	412	0	581	78	824
67 Iowa State University	56,984	41,468	562	194	1,568	196	12,996
68 University of Cincinnati	56,185	51,936	325	0	2,227	1,336	361
69 U CA Santa Barbara	54,855	51,459	543	33	888	765	1,167
70 New Mexico State U	54,072	47,265	0	0	977	65	5,765
Total 1st 70 institutions	8,975,473	7,852,235	170,153	5,606	358,379	30,214	558,886
71 Colorado State University	53,949	46,360	299	0	2,003	243	5,044
72 U Med & Dent of NJ	53,773	41,788	10,077	0	1,270	466	172
73 West Virginia U Morgantwn	53,506	35,439	1,487	0	1,519	30	15,033
74 U Hawaii Manoa	53,286	44,660	3,213	50	1,632	175	3,556
75 U MD Baltimore	52,466	49,992	100	0	1,426	143	805
76 Oregon Hlth Sciences U	52,299	37,898	10,102	0	4,103	52	144
77 Georgia Institute of Tech	51,953	50,805	25	0	966	39	118
78 Tufts University	49,179	45,015	263	0	1,314	242	2,345
79 VA Polytech Inst & St U	48,887	36,841	904	225	783	101	10,033
80 U TX Hlth Sci Ctr S Anto	48,415	44,987	0	0	2,817	211	400
Total 1st 80 institutions	9,493,188	8,286,020	196,623	5,881	376,212	31,916	596,536
81 CUNY Mt Sinai Schl of Med	45,262	43,638	0	0	1,512	56	56
82 Virginia Commonwealth U	44,029	40,568	0	0	3,416	35	10
83 Utah State University	44,002	38,841	638	0	459	298	3,766
84 Dartmouth College	43,641	41,349	0	120	1,625	246	301
85 U Alaska Fairbanks	43,385	31,738	665	71	225	976	9,710
86 U TX MD Anderson Cancer	43,219	42,602	0	0	587	15	15
87 Wayne State University	42,735	40,172	470	0	1,607	398	88
88 Wake Forest University	42,526	37,768	3,573	19	1,088	11	67
89 U Tennessee Knoxville	42,026	28,833	1,204	0	373	76	11,540
90 Florida State University	41,986	26,847	14,050	0	1,029	40	0
Total 1st 90 institutions	9,925,979	8,658,376	217,223	6,091	388,133	34,067	622,089
91 U Missouri Columbia	41,937	28,481	0	68	979	43	12,366
92 University of Dayton	41,678	37,065	0	0	24	0	4,589
93 U MA Amherst	40,237	35,227	125	78	682	54	4,071
94 Thomas Jefferson U	39,635	38,180	0	0	1,405	25	25
95 U TX Hlth Sci Ctr Houstn	38,753	37,465	0	0	1,080	97	111
96 Washington State U	38,649	29,541	2,190	0	738	82	6,098
97 University of Vermont	38,481	33,915	0	0	1,227	409	2,930
98 SUNY at Buffalo	37,598	31,355	0	97	1,635	239	4,272
99 Brown University	36,887	34,483	150	82	1,666	0	506
100 U MA Worcester	36,639	34,574	0	0	1,257	404	404
Total 1st 100 institutions	10,316,473	8,998,662	219,688	6,416	398,826	35,420	657,461

SOURCE: National Science Foundation/SRS, Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1993

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